

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062023\
 Data File : VU054626.D
 Acq On : 20 Jun 2023 21:37
 Operator : MD/SY
 Sample : 03326-08MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCA37MS

Quant Time: Jun 21 04:06:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 21 04:02:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	336625	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	317205	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	164054	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	121317	5.663	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.200%
7) Chloroethane-d5	1.914	69	94582	4.715	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.563	65	45289	4.733	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.628	46	266161	44.189	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.380%
24) Chloroform-d	5.059	84	186001	4.154	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	5.698	65	92479	4.236	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	5.724	84	369741	4.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.685	67	124106	4.215	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.200%
41) Toluene-d8	7.894	98	334911	4.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	8.174	79	43659	4.263	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.628	63	177117	41.227	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.460%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	91030	4.145	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	112748	4.075	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	122584	3.897	ug/L	99
3) Chloromethane	1.522	50	148704	4.115	ug/L	99
5) Vinyl chloride	1.605	62	155367	4.189	ug/L	99
6) Bromomethane	1.859	94	78303	3.840	ug/L	95
8) Chloroethane	1.933	64	99544	4.478	ug/L	95
9) Trichlorofluoromethane	2.139	101	193657	4.247	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	118334	4.436	ug/L	97
12) 1,1-Dichloroethene	2.580	96	106208	4.350	ug/L	87
13) Acetone	2.641	43	224077	39.456	ug/L	100
14) Carbon disulfide	2.792	76	287405	3.970	ug/L	99
15) Methyl Acetate	2.953	43	49222	4.677	ug/L	95
16) Methylene chloride	3.043	84	123889	3.608	ug/L	92
17) Methyl tert-butyl Ether	3.358	73	264354	4.387	ug/L	94
18) trans-1,2-Dichloroethene	3.351	96	109131	4.329	ug/L	96
19) 1,1-Dichloroethane	3.866	63	250539	4.802	ug/L	100
21) 2-Butanone	4.708	43	344504	46.741	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	230304	8.023	ug/L	96
23) Bromochloromethane	4.972	128	53915	4.513	ug/L	96
25) Chloroform	5.084	83	248684	4.835	ug/L	99

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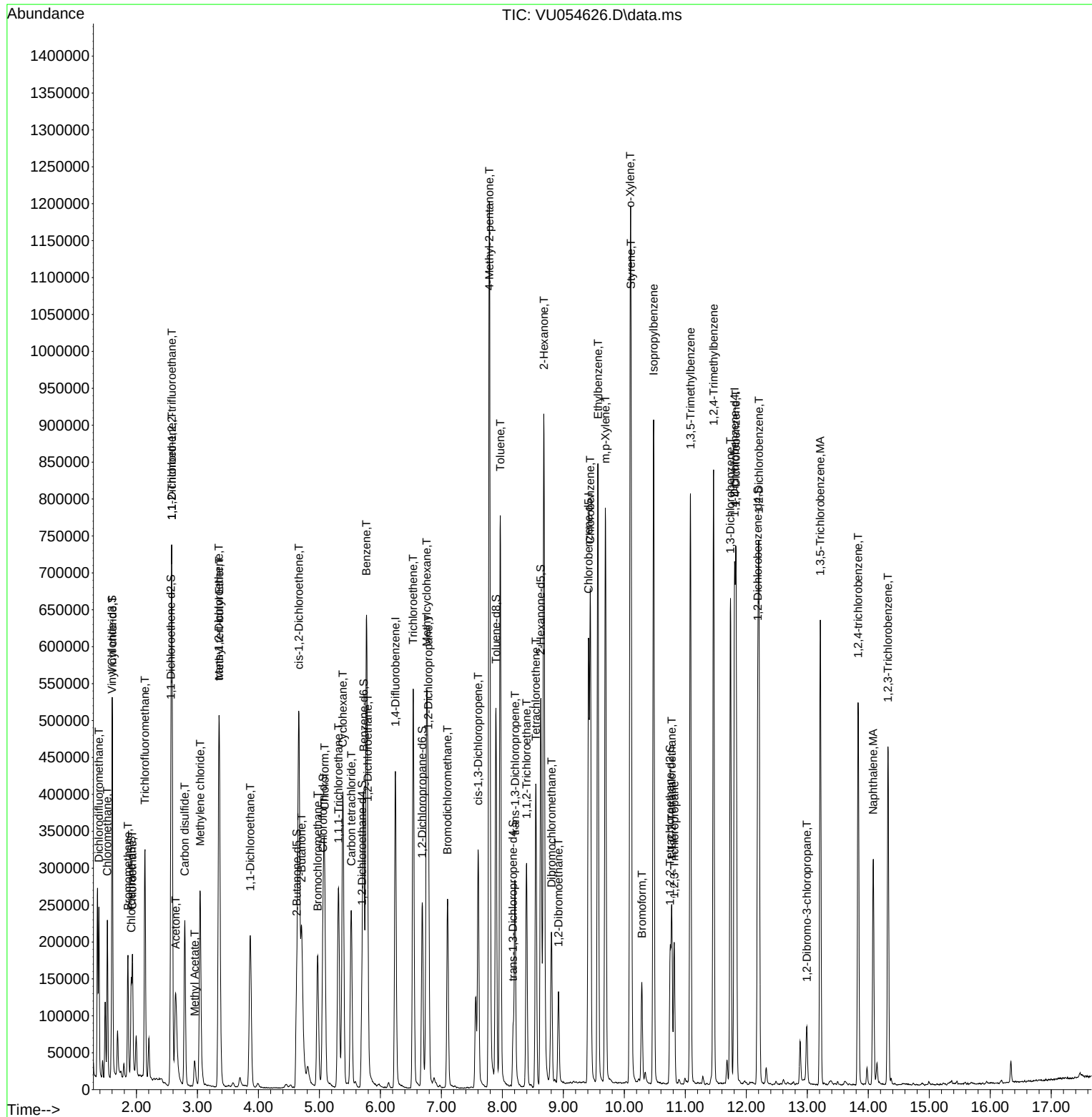
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	145328	4.821	ug/L	96
29) 1,1,1-Trichloroethane	5.313	97	197135	4.583	ug/L	98
30) Cyclohexane	5.383	56	200468	4.279	ug/L	97
31) Carbon tetrachloride	5.522	117	163200	4.403	ug/L	99
33) Benzene	5.769	78	542944	4.763	ug/L	100
34) Trichloroethene	6.538	95	191217	6.343	ug/L	91
35) Methylcyclohexane	6.759	83	183511	4.027	ug/L	97
37) 1,2-Dichloropropane	6.785	63	144846	4.699	ug/L	99
38) Bromodichloromethane	7.100	83	169586	4.860	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	193678	4.602	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	847484	51.521	ug/L	96
42) Toluene	7.965	91	562254	4.789	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	155974	4.567	ug/L	95
45) 1,1,2-Trichloroethane	8.396	97	93715	4.779	ug/L	98
47) Tetrachloroethene	8.550	164	91268	3.955	ug/L	97
48) 2-Hexanone	8.679	43	598939	48.867	ug/L	97
49) Dibromochloromethane	8.804	129	99862	4.850	ug/L	96
50) 1,2-Dibromoethane	8.920	107	82673	4.592	ug/L	98
51) Chlorobenzene	9.441	112	330621	4.518	ug/L	98
52) Ethylbenzene	9.566	91	571564	4.458	ug/L	99
53) m,p-Xylene	9.689	106	212274	4.507	ug/L	97
54) o-Xylene	10.097	106	204020	4.479	ug/L	99
55) Styrene	10.110	104	342187	4.476	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	119783	4.809	ug/L	100
59) Bromoform	10.287	173	60875	5.169	ug/L	99
60) Isopropylbenzene	10.480	105	553888	4.615	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	80363	4.847	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	426142	4.352	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	439728	4.422	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	260727	4.648	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	255300	4.535	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	237880	4.611	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	19142	5.254	ug/L	95
69) 1,3,5-Trichlorobenzene	13.213	180	185217	4.376	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	151865	4.339	ug/L	100
71) Naphthalene	14.081	128	236735	4.160	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	133124	4.427	ug/L	99

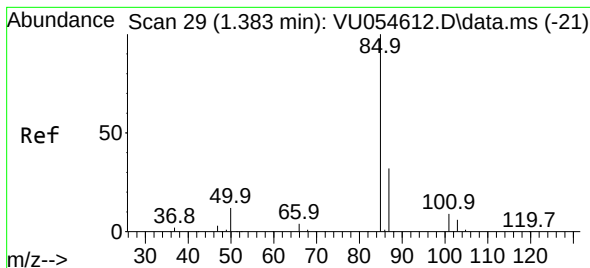
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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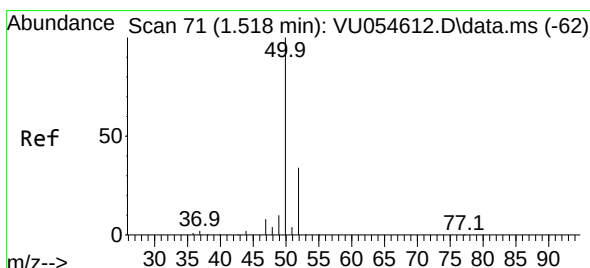
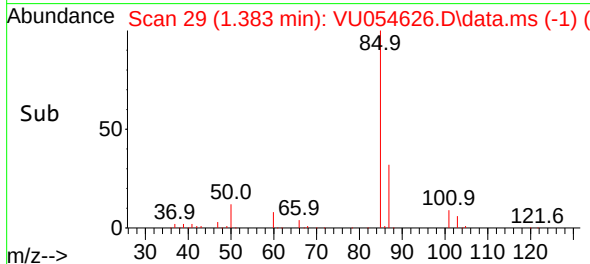
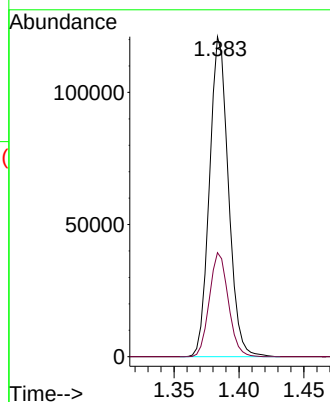
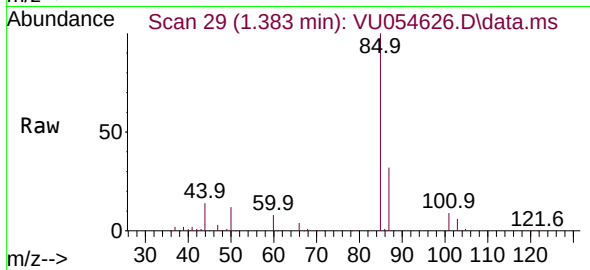




#2
Dichlorodifluoromethane
Concen: 3.897 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

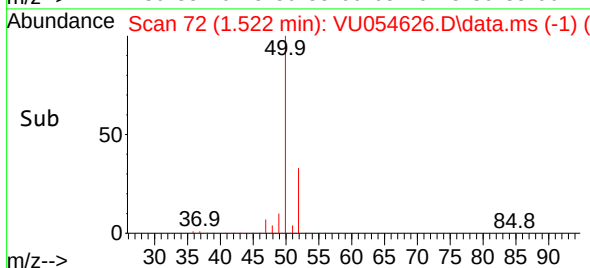
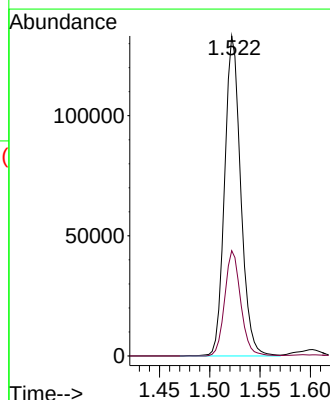
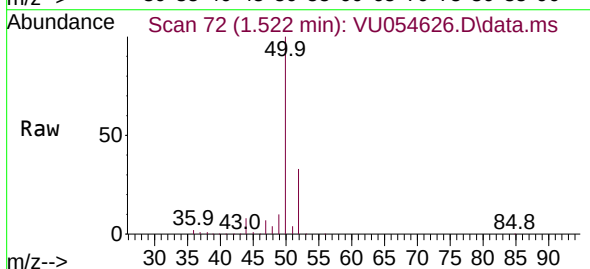
Instrument :
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ClientSampleId :
GCA37MS

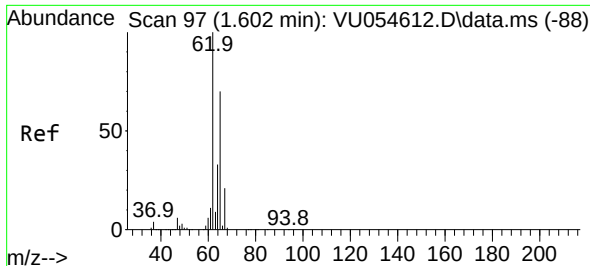
Tgt Ion: 85 Resp: 122584
Ion Ratio Lower Upper
85 100
87 32.5 25.4 38.2



#3
Chloromethane
Concen: 4.115 ug/L
RT: 1.522 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 50 Resp: 148704
Ion Ratio Lower Upper
50 100
52 32.9 23.4 43.4

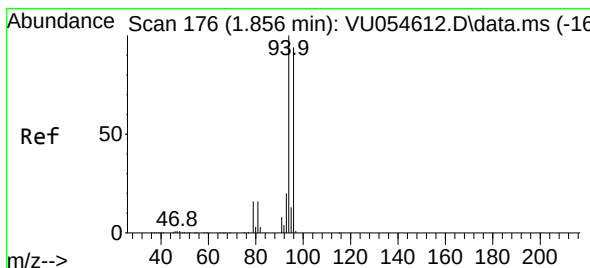
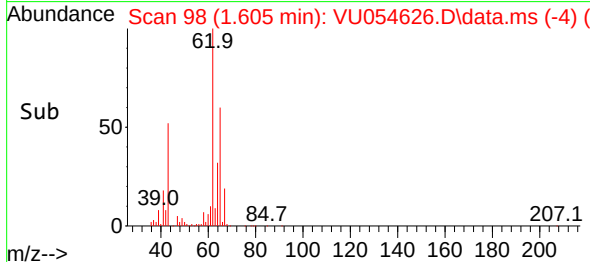
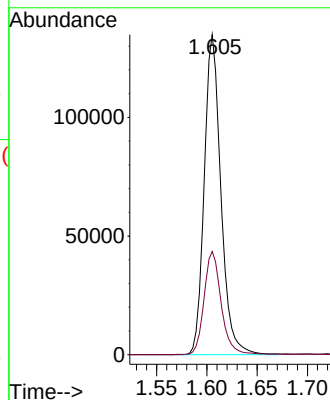
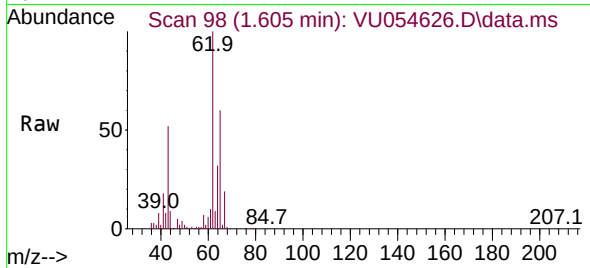




#5
 Vinyl chloride
 Concen: 4.189 ug/L
 RT: 1.605 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU054626.D
 Acq: 20 Jun 2023 21:37

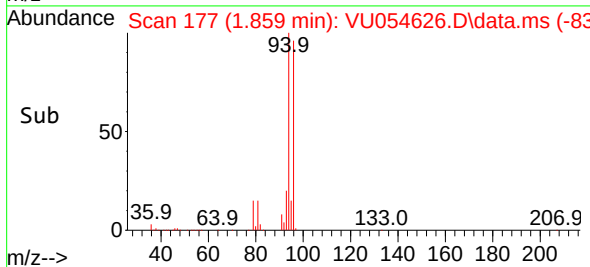
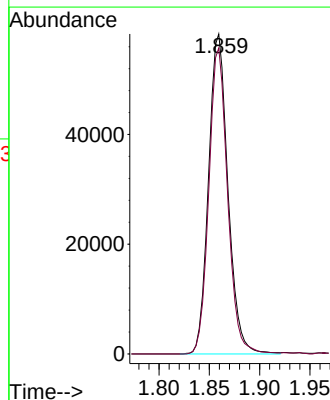
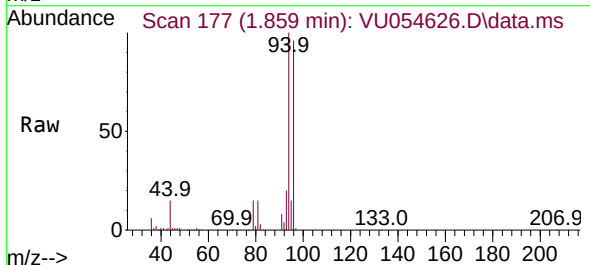
Instrument :
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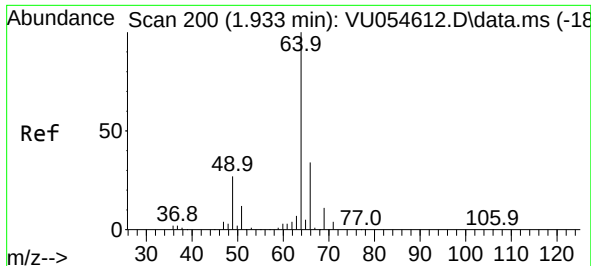
Tgt Ion: 62 Resp: 155367
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.0 42.6



#6
 Bromomethane
 Concen: 3.840 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. 0.003 min
 Lab File: VU054626.D
 Acq: 20 Jun 2023 21:37

Tgt Ion: 94 Resp: 78303
 Ion Ratio Lower Upper
 94 100
 96 95.6 63.6 118.2

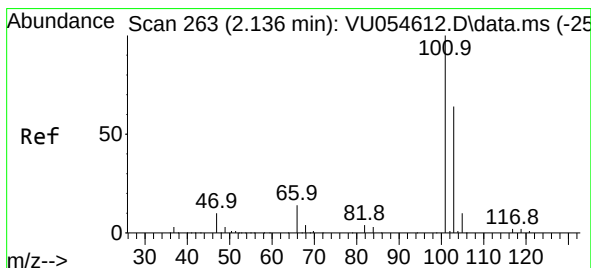
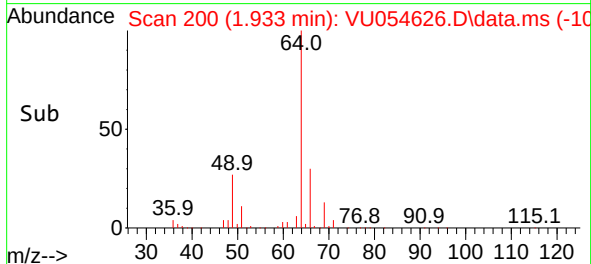
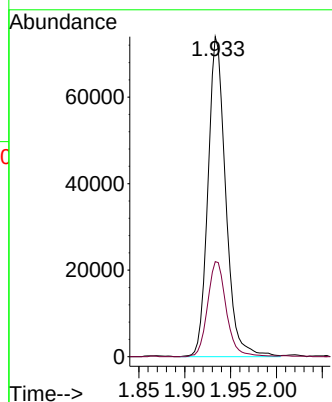
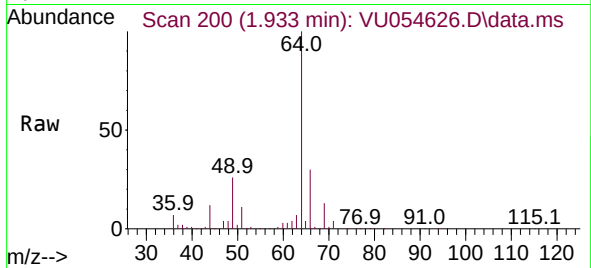




#8
Chloroethane
Concen: 4.478 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

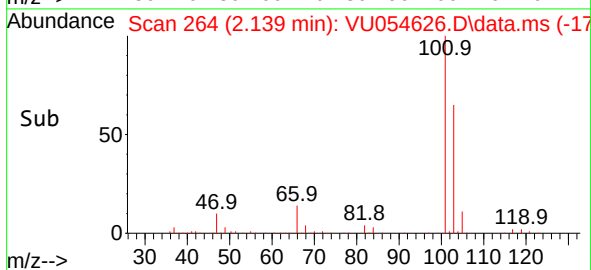
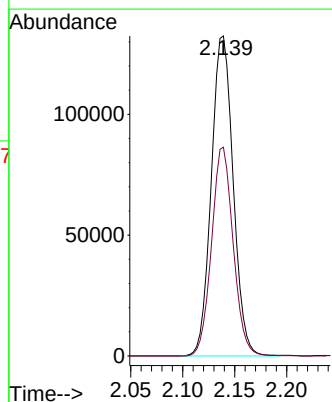
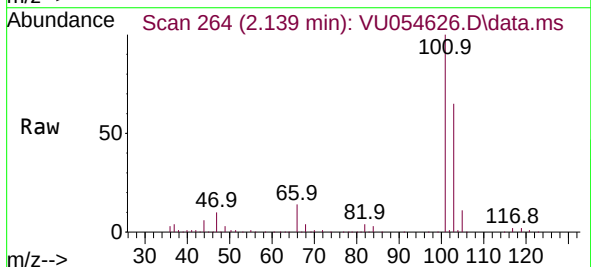
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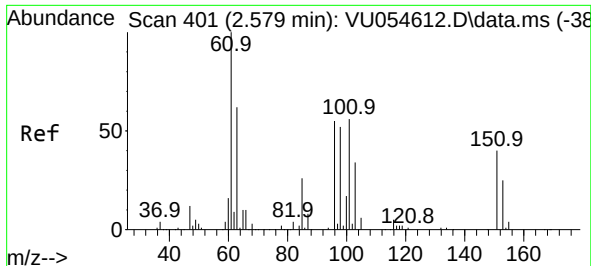
Tgt Ion: 64 Resp: 99544
Ion Ratio Lower Upper
64 100
66 29.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.247 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion:101 Resp: 193657
Ion Ratio Lower Upper
101 100
103 64.5 50.6 75.8

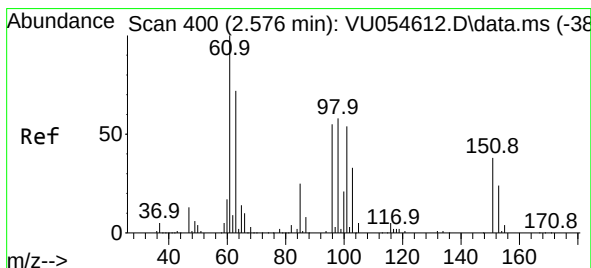
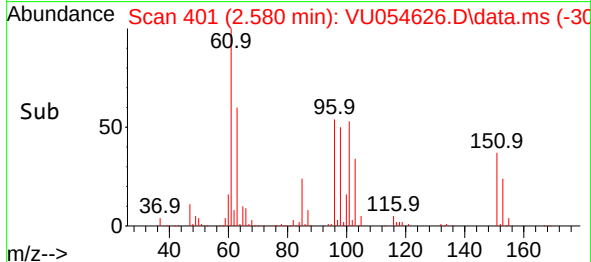
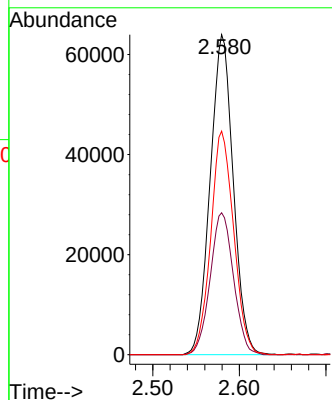
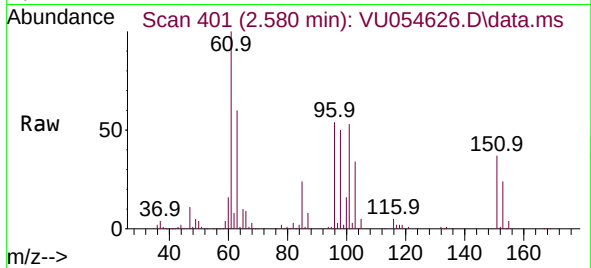




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.436 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054626.D
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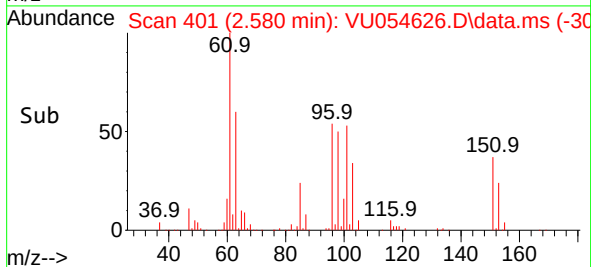
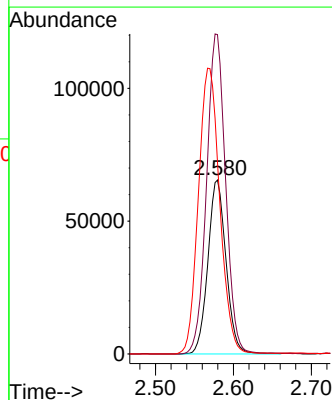
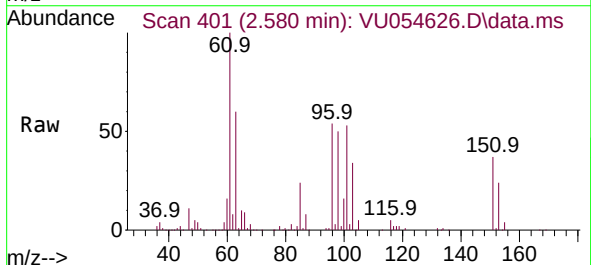
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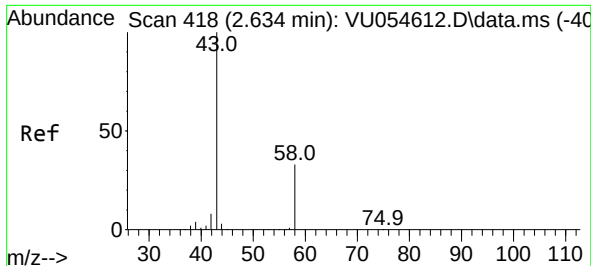
Tgt Ion:101 Resp: 118334
 Ion Ratio Lower Upper
 101 100
 85 44.8 34.6 51.8
 151 69.6 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.350 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU054626.D
 Acq: 20 Jun 2023 21:37

Tgt Ion: 96 Resp: 106208
 Ion Ratio Lower Upper
 96 100
 61 183.6 119.9 222.7
 63 110.4 64.3 119.3





#13

Acetone

Concen: 39.456 ug/L

RT: 2.641 min Scan# 418

Delta R.T. 0.006 min

Lab File: VU054626.D

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Instrument :

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ClientSampleId :

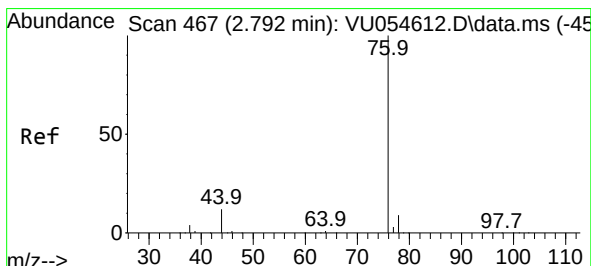
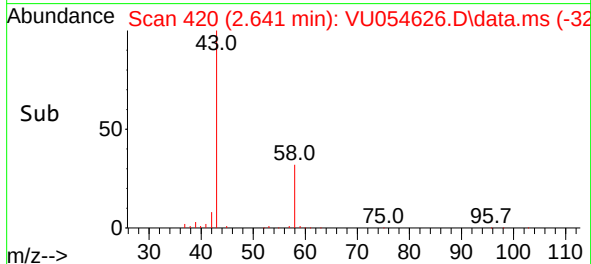
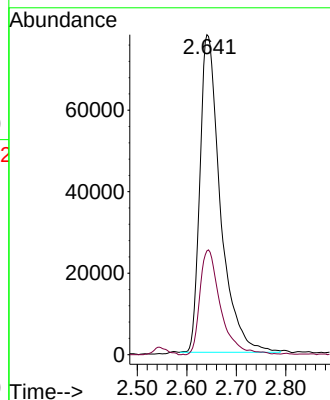
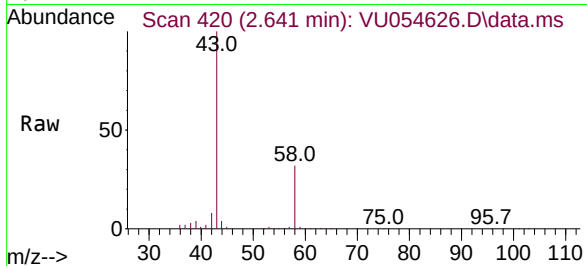
GCA37MS

Tgt Ion: 43 Resp: 224077

Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.2



#14

Carbon disulfide

Concen: 3.970 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054626.D

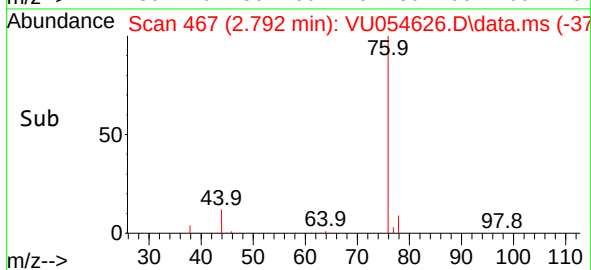
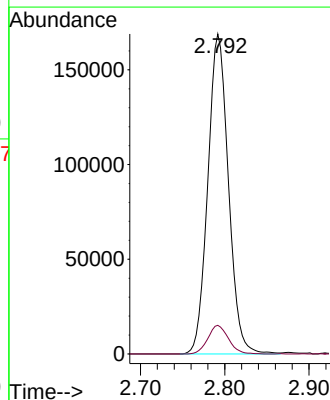
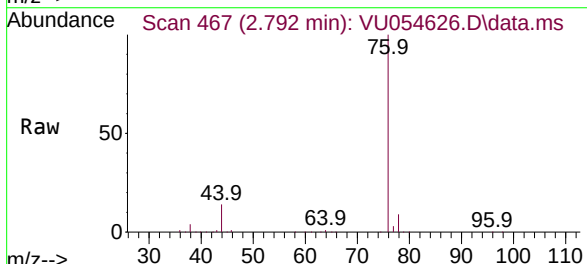
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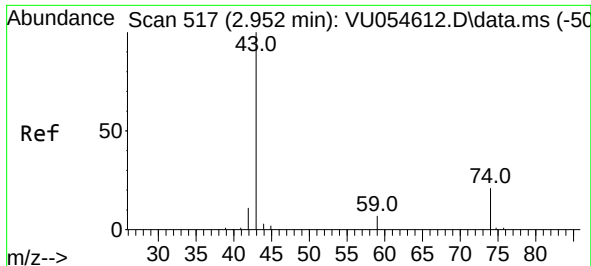
Tgt Ion: 76 Resp: 287405

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

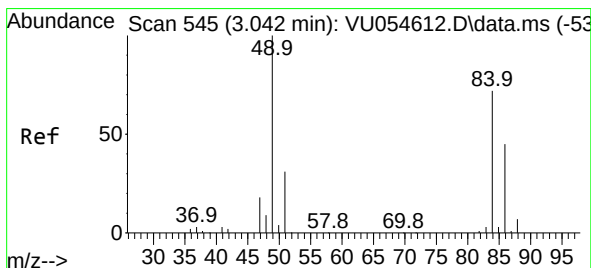
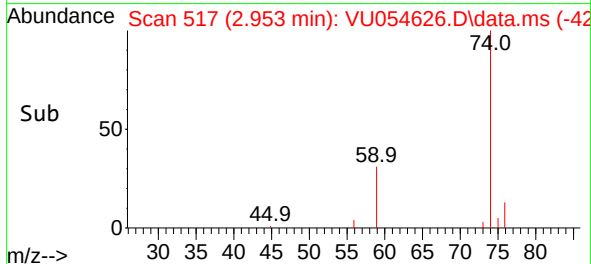
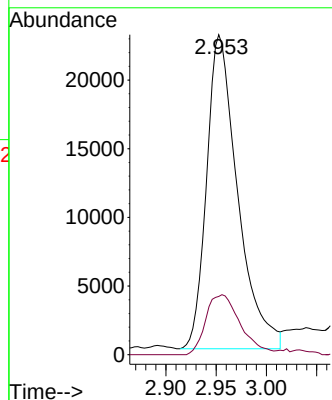
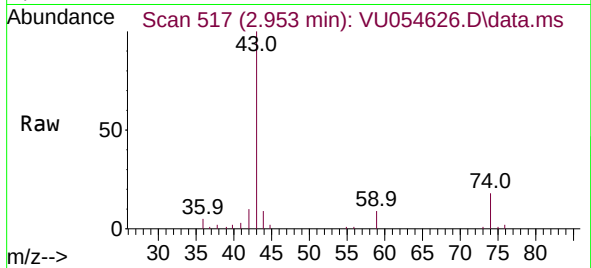




#15
Methyl Acetate
Concen: 4.677 ug/L
RT: 2.953 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

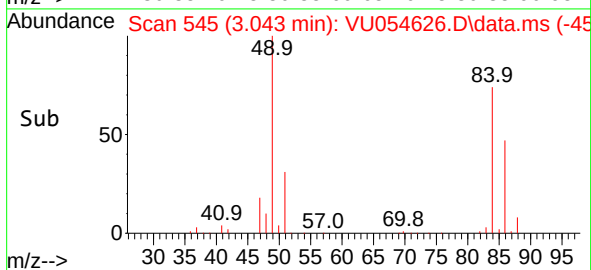
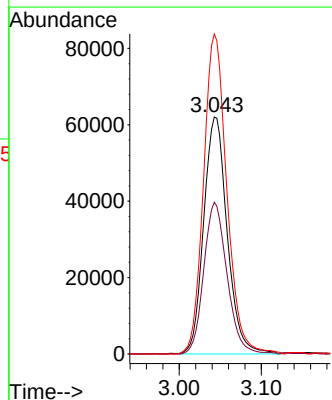
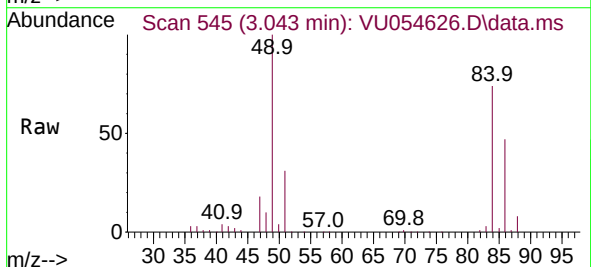
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

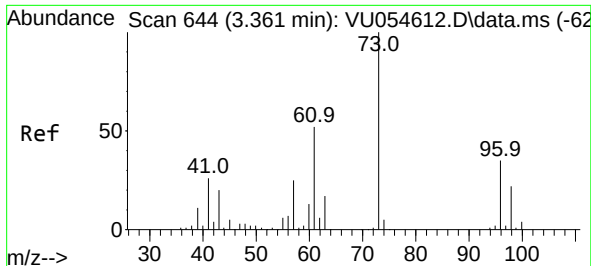
Tgt Ion: 43 Resp: 49222
Ion Ratio Lower Upper
43 100
74 21.2 19.0 28.6



#16
Methylene chloride
Concen: 3.608 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 84 Resp: 123889
Ion Ratio Lower Upper
84 100
86 64.0 43.9 81.5
49 135.1 86.1 159.9

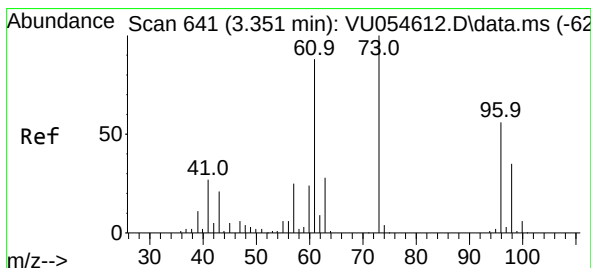
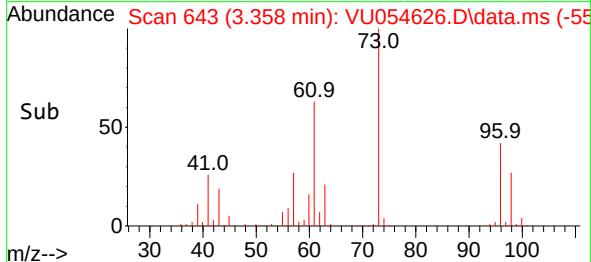
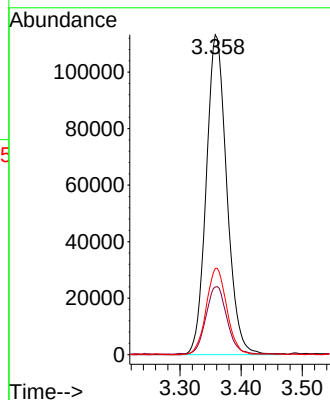
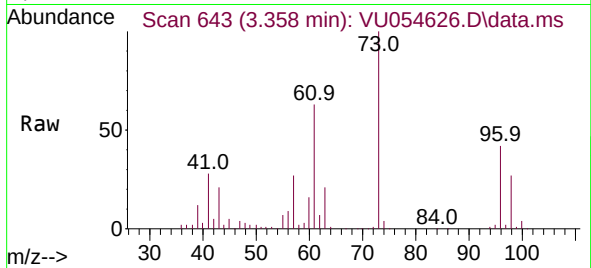




#17
Methyl tert-butyl Ether
Concen: 4.387 ug/L
RT: 3.358 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

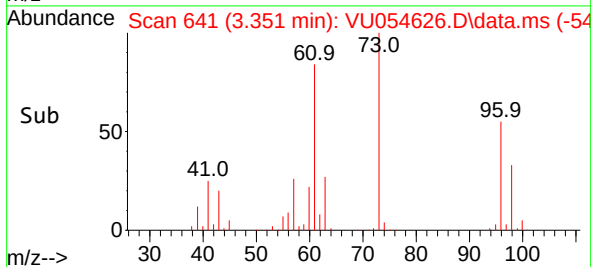
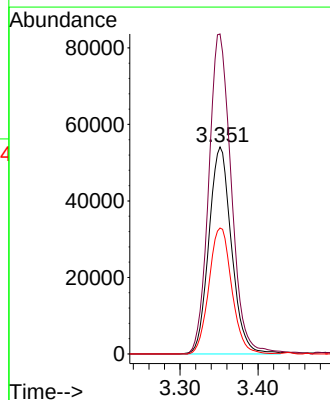
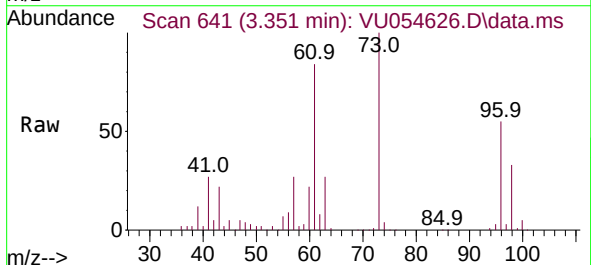
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

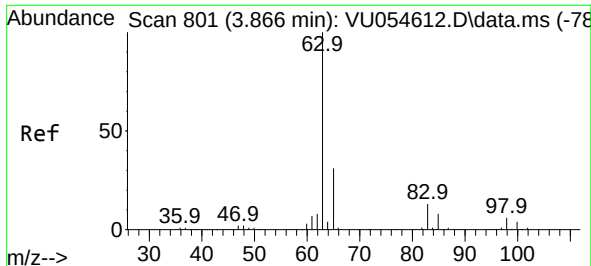
Tgt Ion: 73 Resp: 264354
Ion Ratio Lower Upper
73 100
43 21.2 15.7 23.5
57 27.1 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.329 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 96 Resp: 109131
Ion Ratio Lower Upper
96 100
61 154.6 104.6 194.2
98 60.8 45.4 84.4





#19

1,1-Dichloroethane

Concen: 4.802 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

GCA37MS

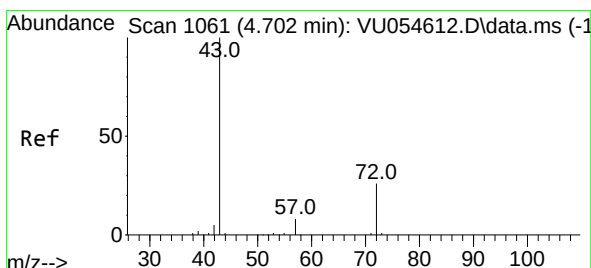
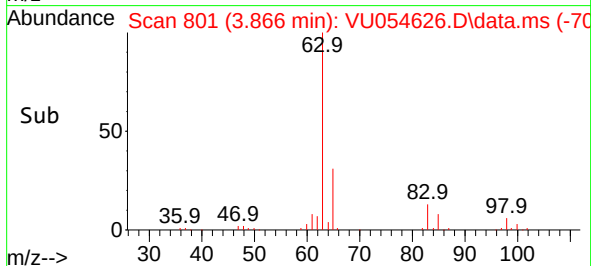
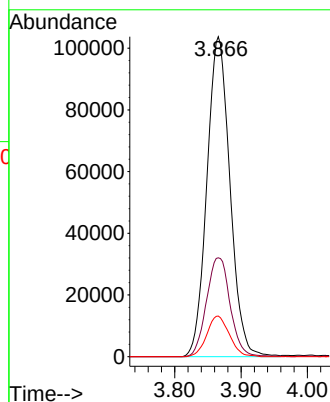
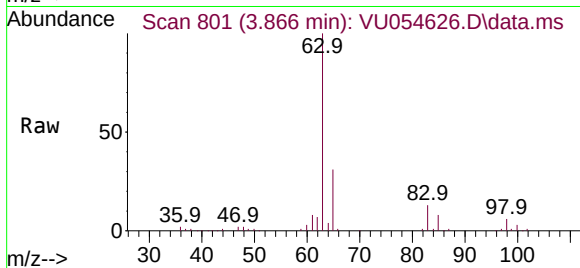
Tgt Ion: 63 Resp: 250539

Ion Ratio Lower Upper

63 100

65 31.6 22.2 41.2

83 12.7 9.0 16.6



#21

2-Butanone

Concen: 46.741 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VU054626.D

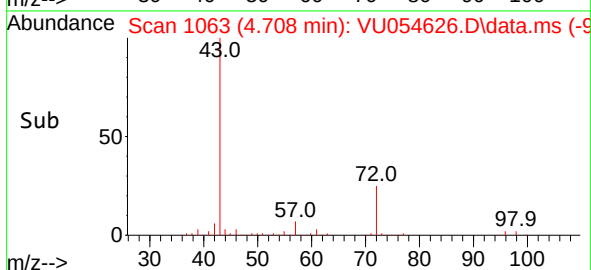
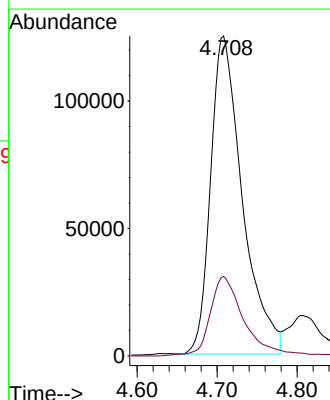
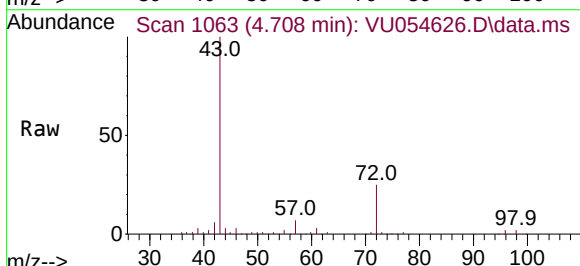
Acq: 20 Jun 2023 21:37

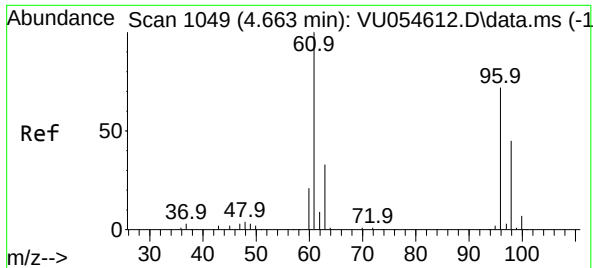
Tgt Ion: 43 Resp: 344504

Ion Ratio Lower Upper

43 100

72 26.5 13.4 40.1

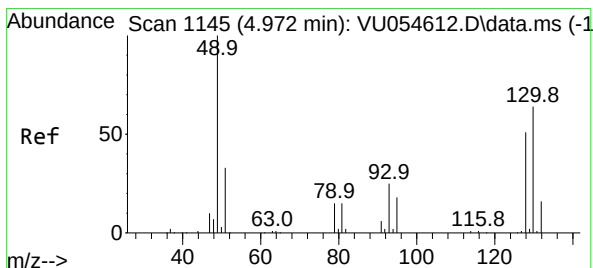
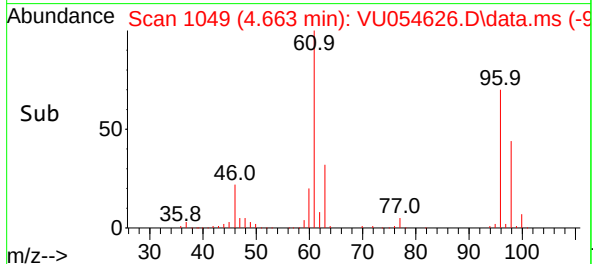
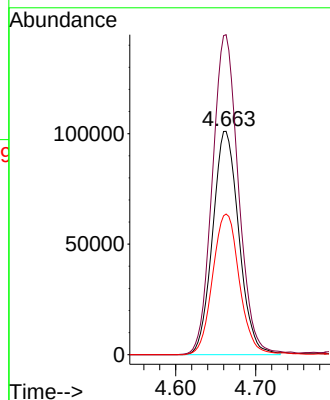
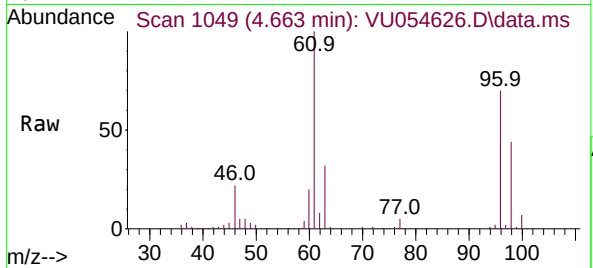




#22
cis-1,2-Dichloroethene
Concen: 8.023 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

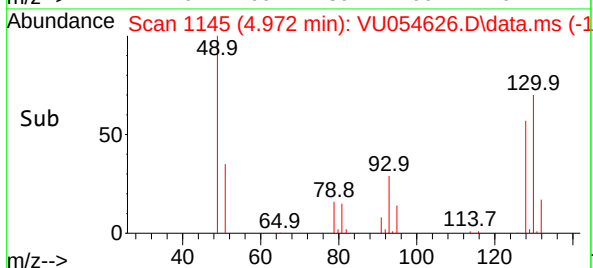
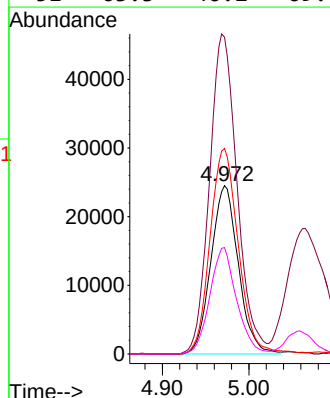
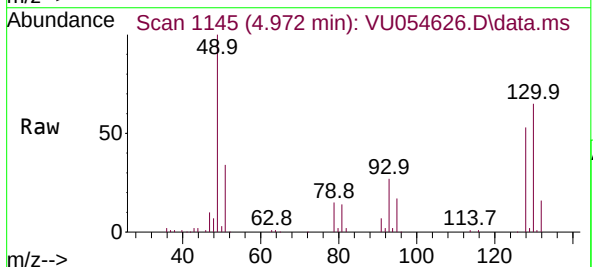
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

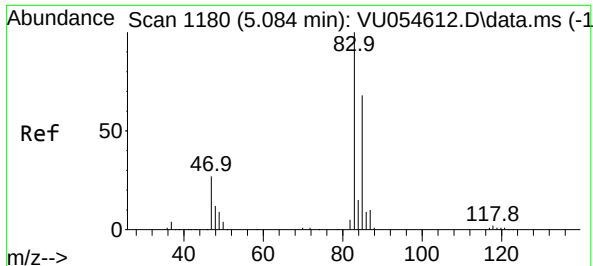
Tgt Ion: 96 Resp: 230304
Ion Ratio Lower Upper
96 100
61 143.2 96.5 179.1
98 63.0 44.9 83.3



#23
Bromochloromethane
Concen: 4.513 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion:128 Resp: 53915
Ion Ratio Lower Upper
128 100
49 188.3 132.1 245.3
130 122.0 91.5 169.9
51 63.3 46.2 69.4

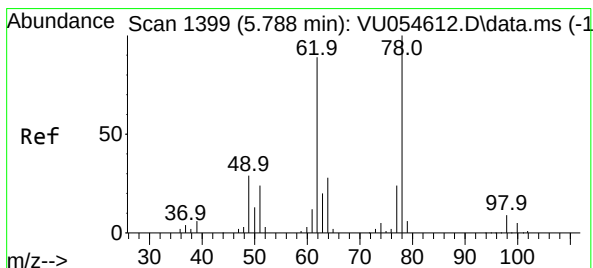
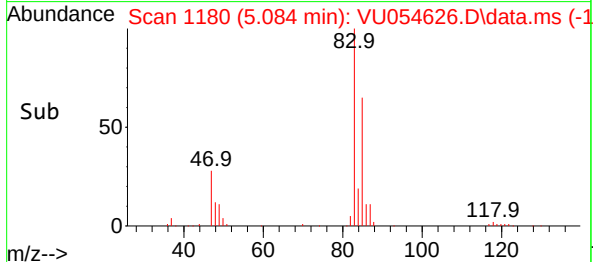
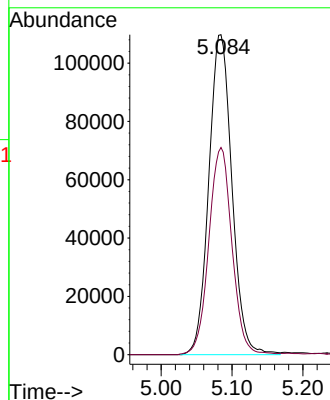
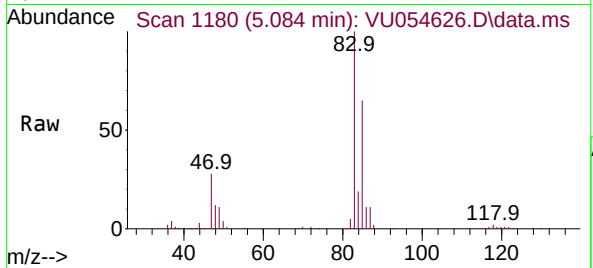




#25
Chloroform
Concen: 4.835 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

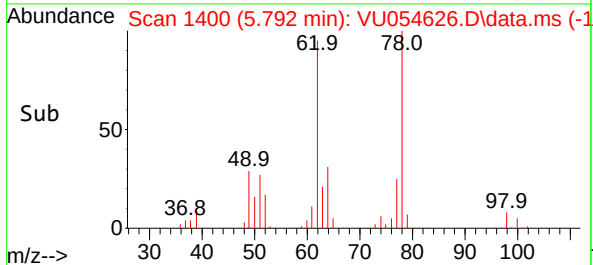
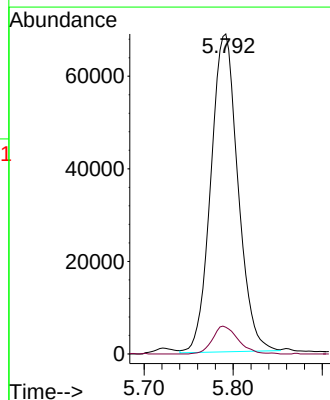
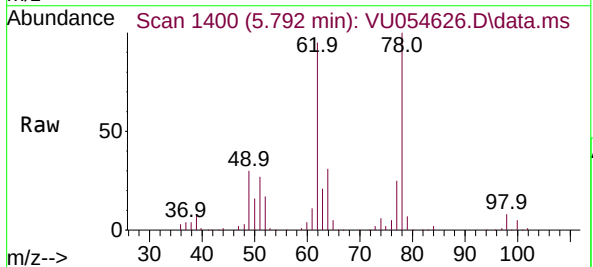
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

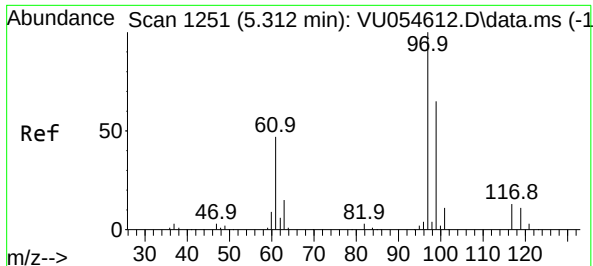
Tgt Ion: 83 Resp: 248684
Ion Ratio Lower Upper
83 100
85 64.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.821 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 62 Resp: 145328
Ion Ratio Lower Upper
62 100
98 8.4 7.8 11.6

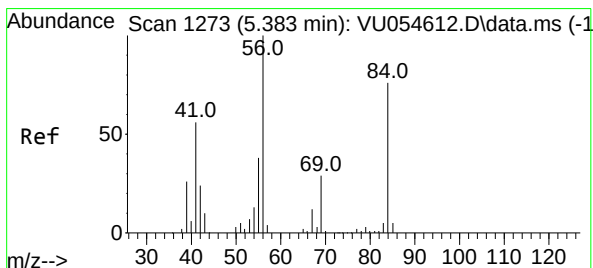
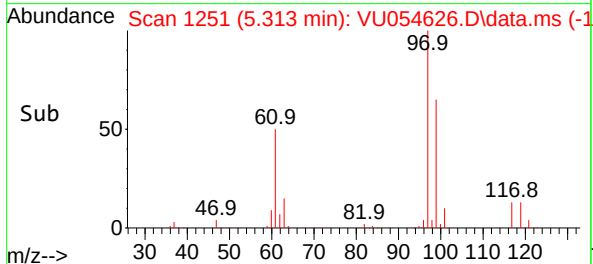
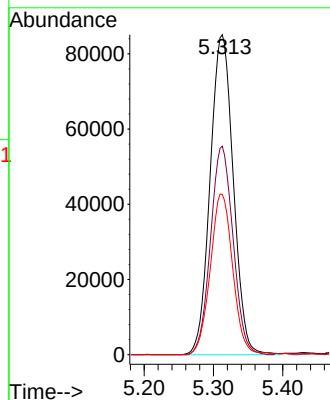
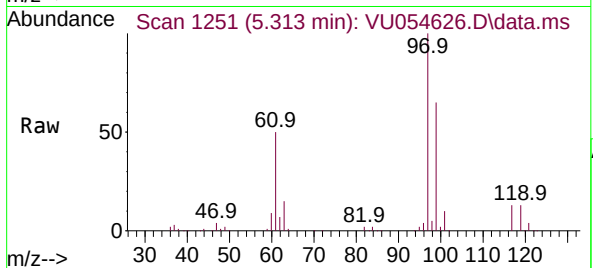




#29
1,1,1-Trichloroethane
Concen: 4.583 ug/L
RT: 5.313 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

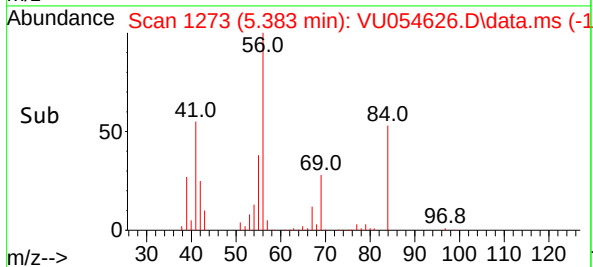
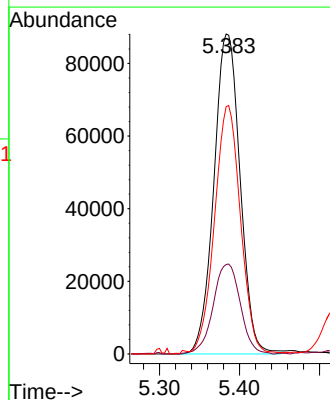
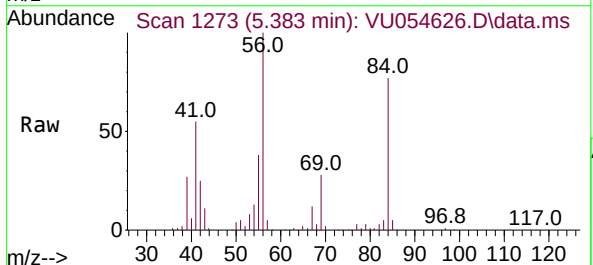
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

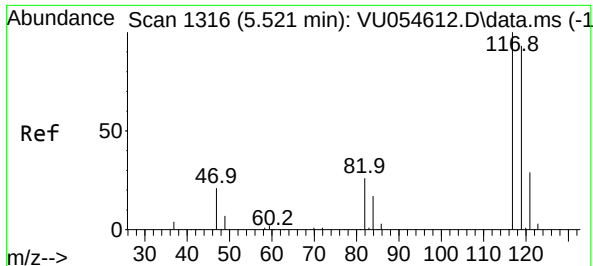
Tgt Ion: 97 Resp: 197135
Ion Ratio Lower Upper
97 100
99 63.6 50.8 76.2
61 48.8 36.1 54.1



#30
Cyclohexane
Concen: 4.279 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 56 Resp: 200468
Ion Ratio Lower Upper
56 100
69 29.1 23.9 35.9
84 75.6 63.0 94.6

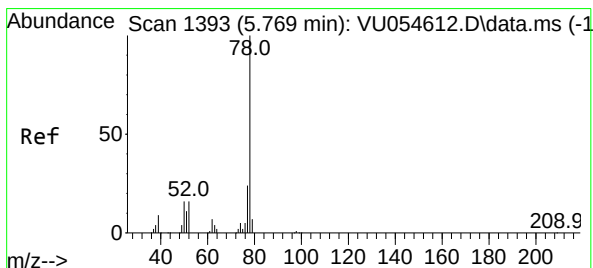
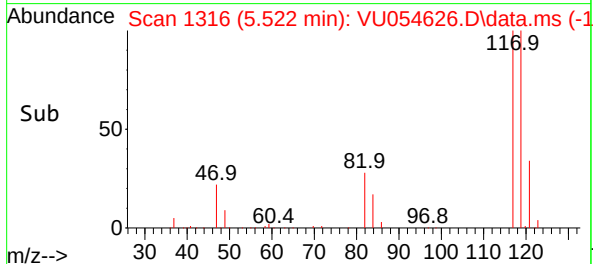
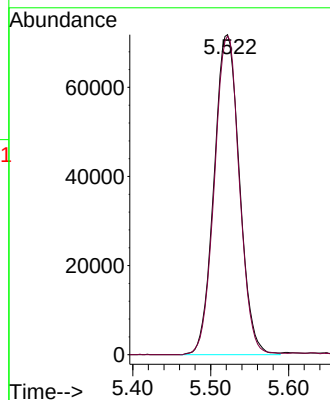
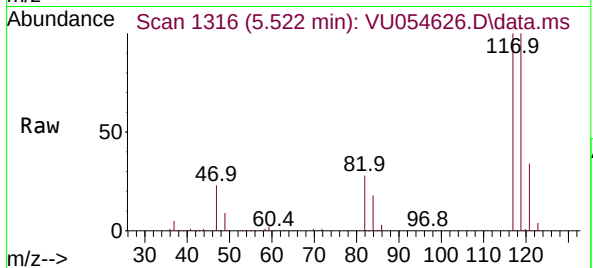




#31
Carbon tetrachloride
Concen: 4.403 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

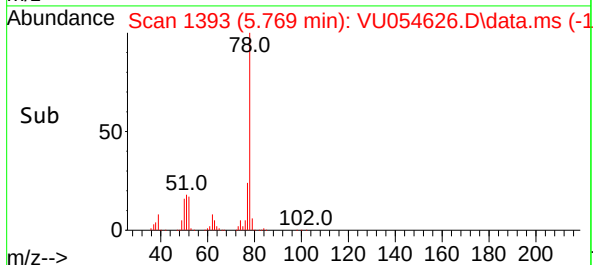
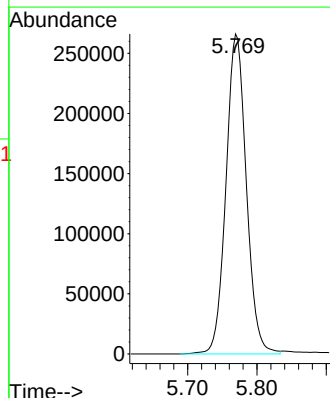
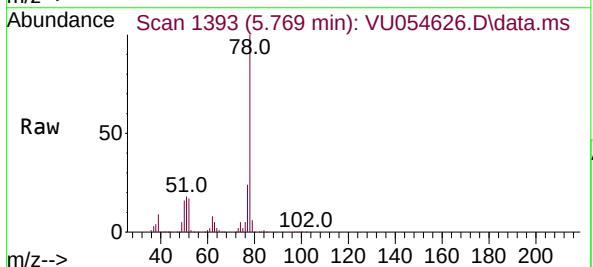
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

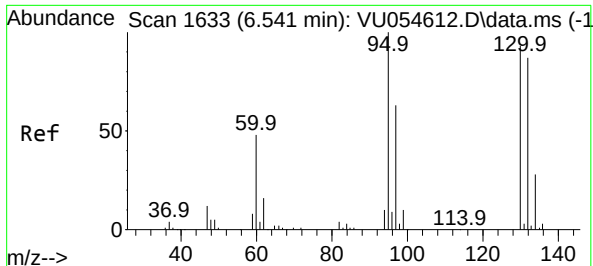
Tgt Ion:117 Resp: 163200
Ion Ratio Lower Upper
117 100
119 97.4 76.8 115.2



#33
Benzene
Concen: 4.763 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 78 Resp: 542944

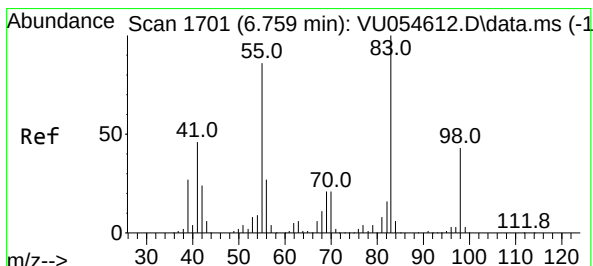
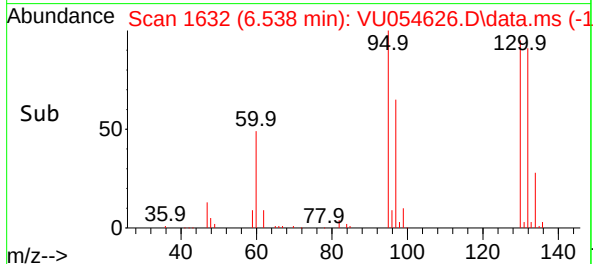
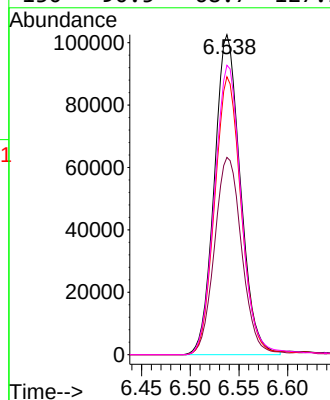
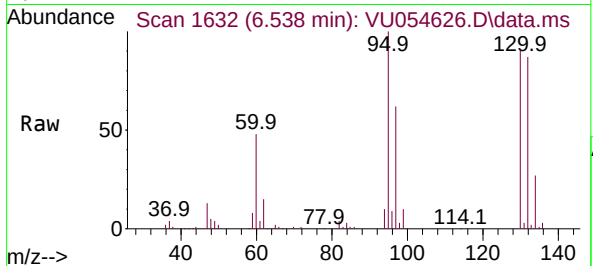




#34
Trichloroethene
Concen: 6.343 ug/L
RT: 6.538 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

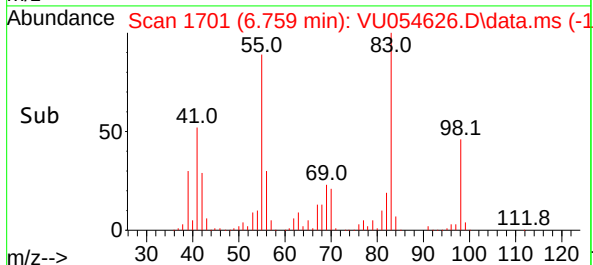
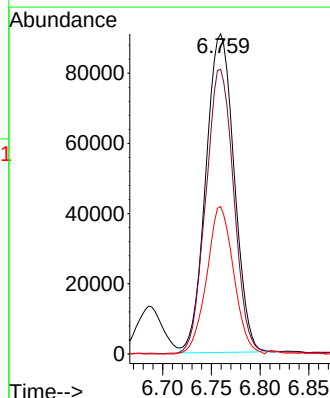
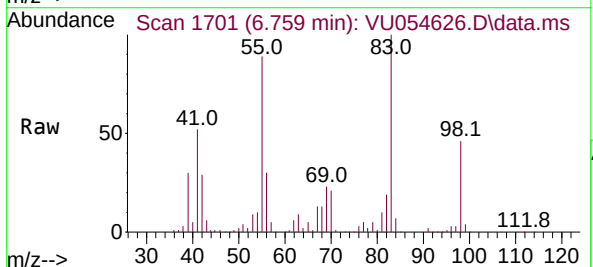
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

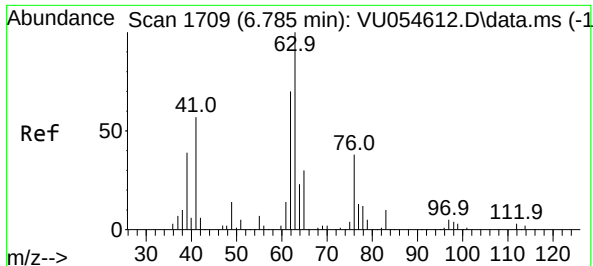
Tgt Ion: 95 Resp: 191217
Ion Ratio Lower Upper
95 100
97 61.7 46.8 87.0
132 86.8 68.4 127.0
130 90.5 68.7 127.5



#35
Methylcyclohexane
Concen: 4.027 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 83 Resp: 183511
Ion Ratio Lower Upper
83 100
55 88.5 67.1 100.7
98 44.1 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.699 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

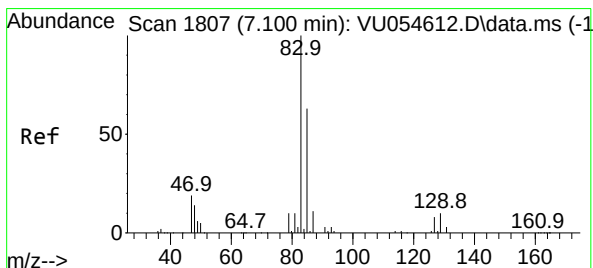
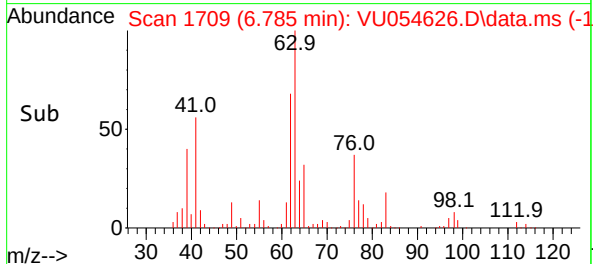
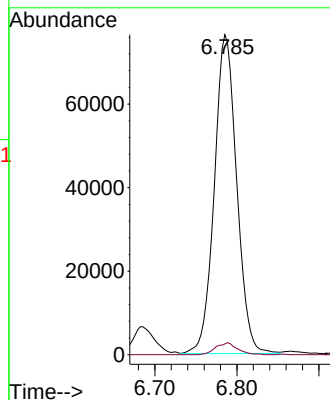
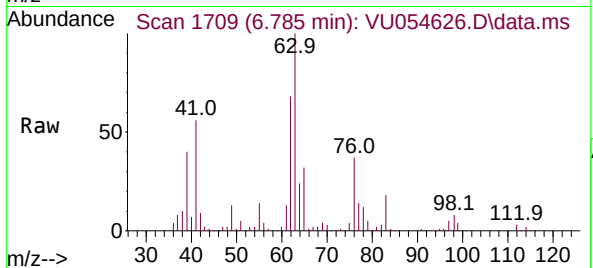
GCA37MS

Tgt Ion: 63 Resp: 144846

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



#38

Bromodichloromethane

Concen: 4.860 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

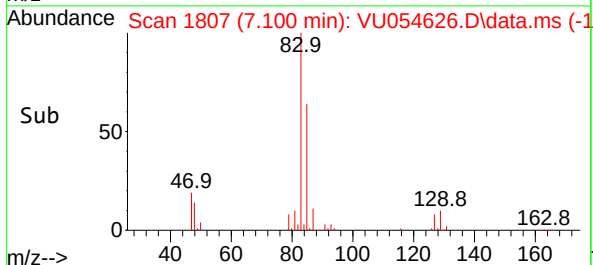
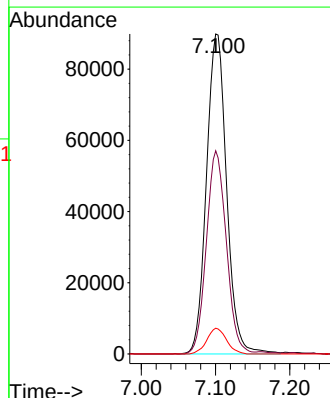
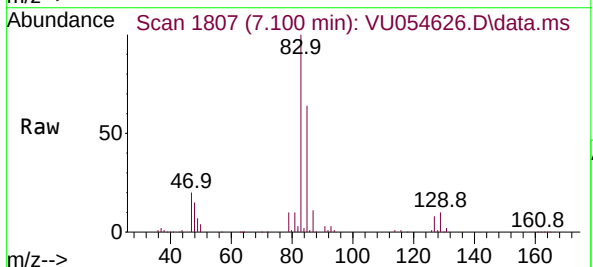
Tgt Ion: 83 Resp: 169586

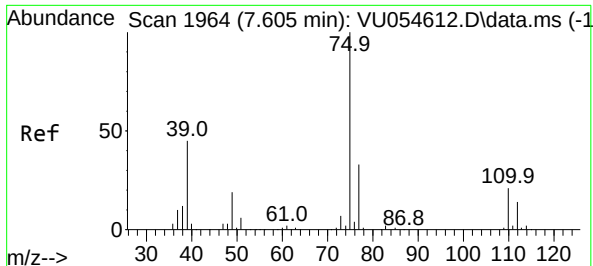
Ion Ratio Lower Upper

83 100

85 63.5 44.1 81.9

127 8.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.602 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

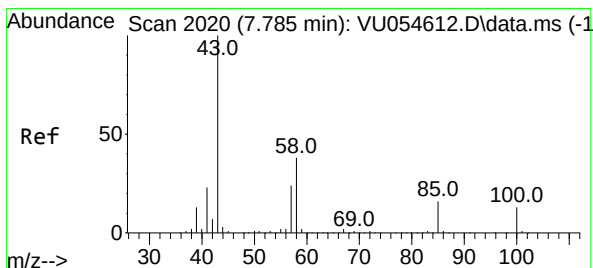
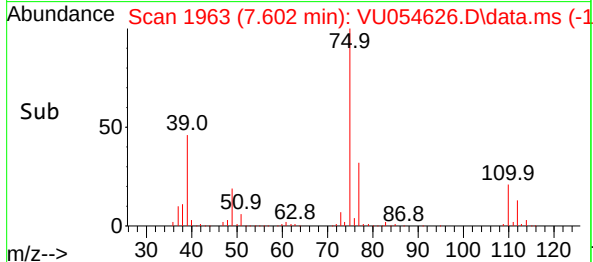
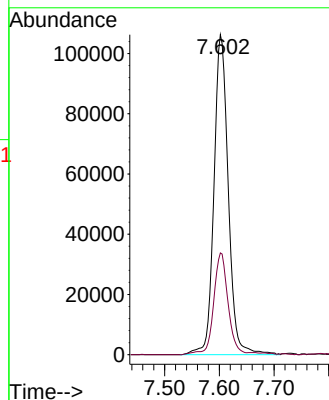
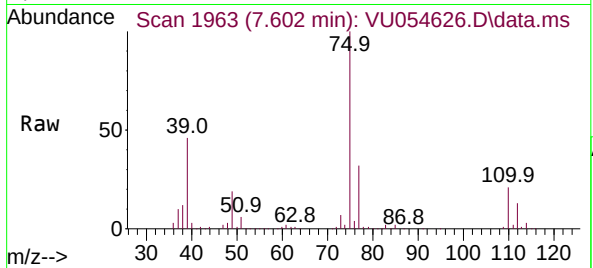
GCA37MS

Tgt Ion: 75 Resp: 193678

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.521 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

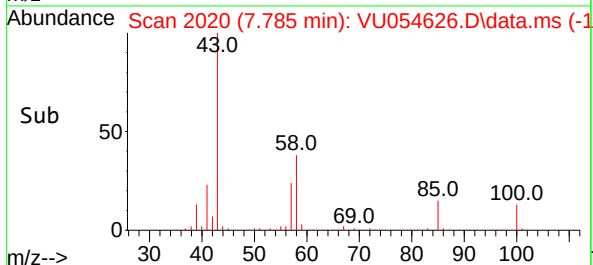
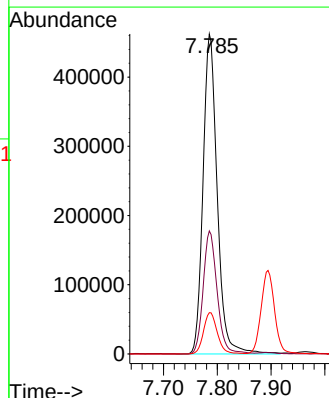
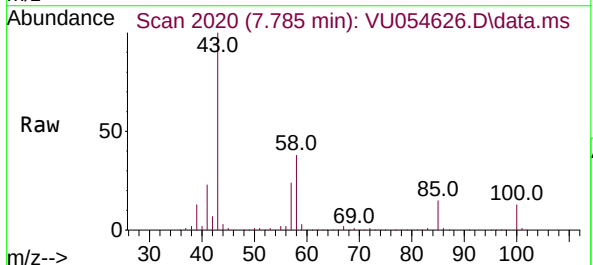
Tgt Ion: 43 Resp: 847484

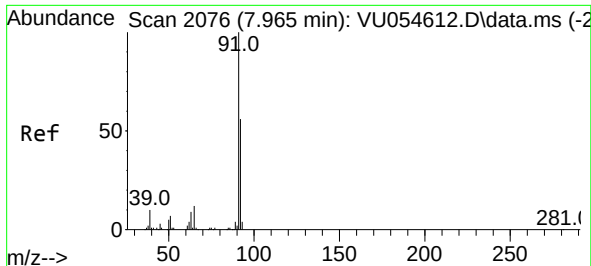
Ion Ratio Lower Upper

43 100

58 37.8 32.4 48.6

100 12.6 11.4 17.2

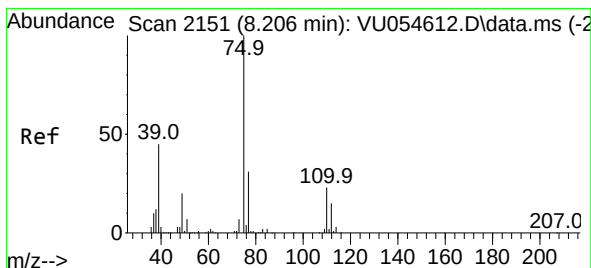
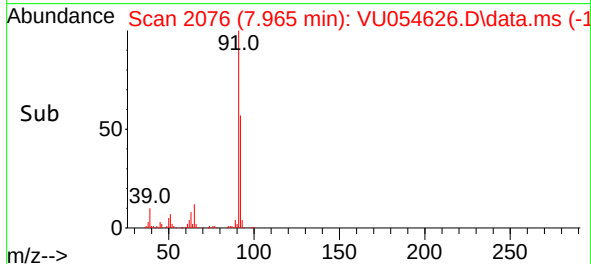
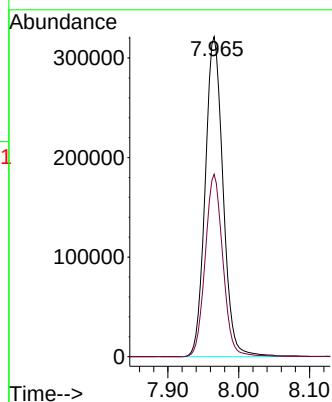
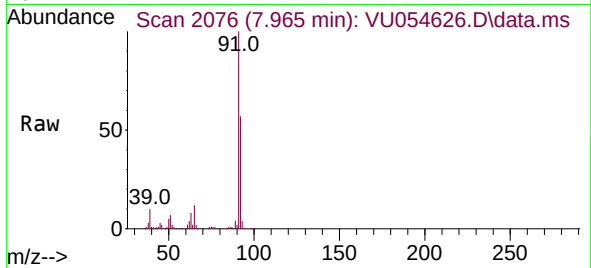




#42
Toluene
Concen: 4.789 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

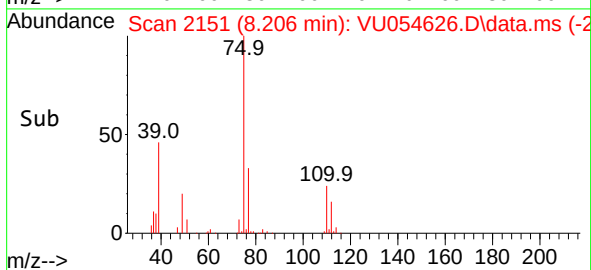
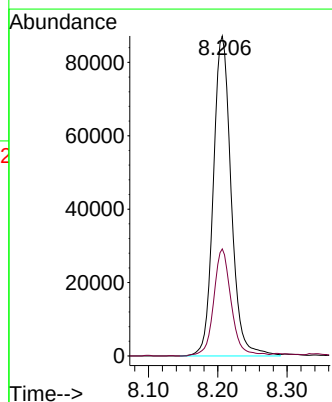
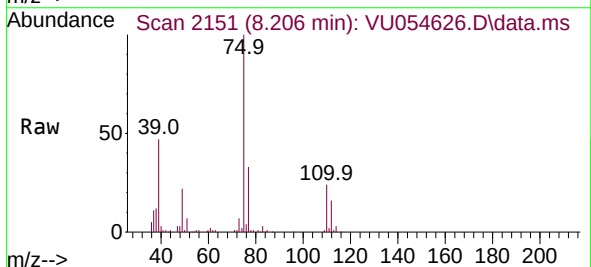
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

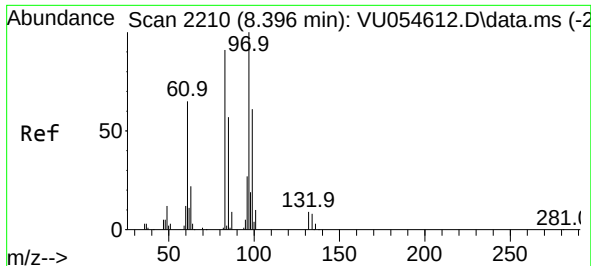
Tgt Ion: 91 Resp: 562254
Ion Ratio Lower Upper
91 100
92 57.0 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 4.567 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 75 Resp: 155974
Ion Ratio Lower Upper
75 100
77 33.4 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 4.779 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

GCA37MS

Tgt Ion: 97 Resp: 93715

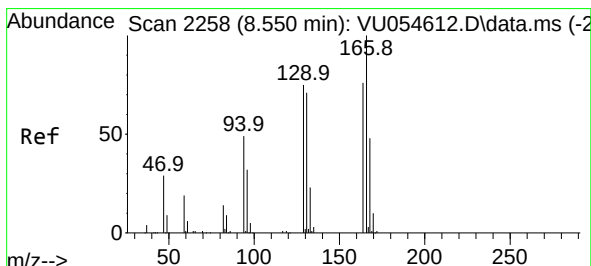
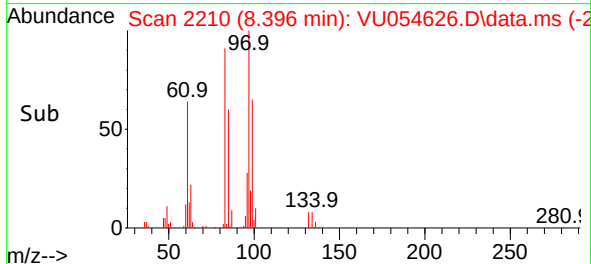
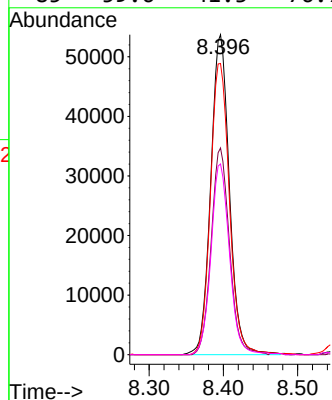
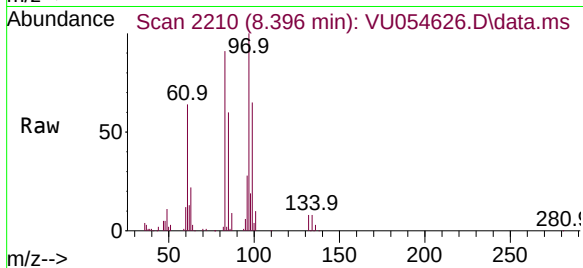
Ion Ratio Lower Upper

97 100

99 64.6 43.0 80.0

83 91.0 63.8 118.6

85 59.6 41.3 76.7



#47

Tetrachloroethene

Concen: 3.955 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Tgt Ion:164 Resp: 91268

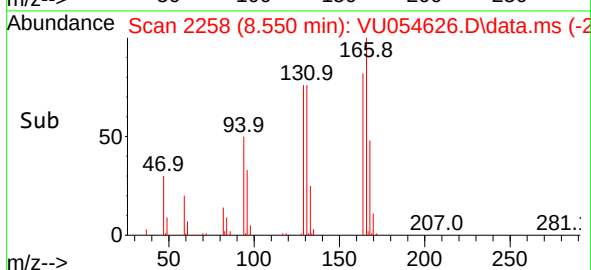
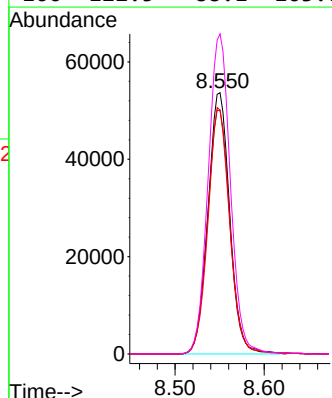
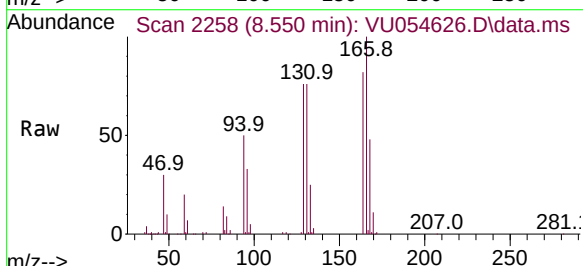
Ion Ratio Lower Upper

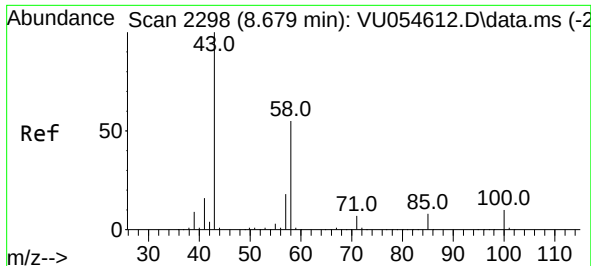
164 100

129 93.3 67.7 125.7

131 93.4 64.6 120.0

166 122.5 88.1 163.7

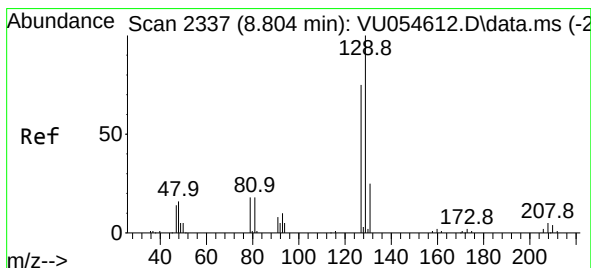
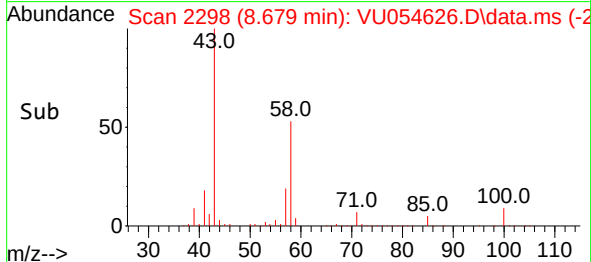
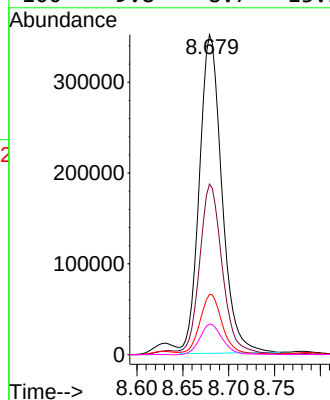
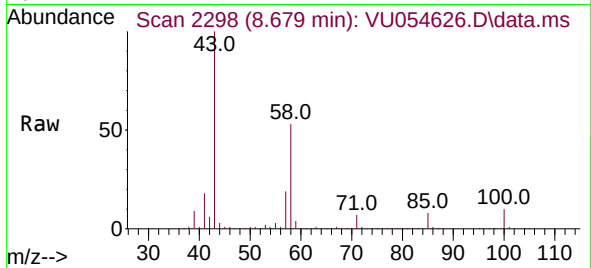




#48
2-Hexanone
Concen: 48.867 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

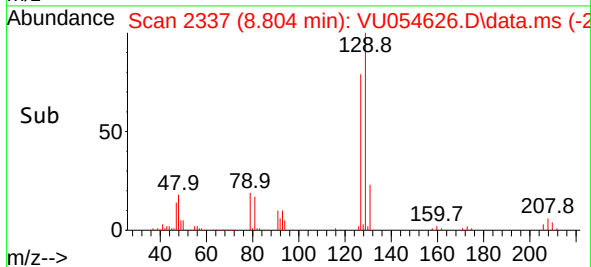
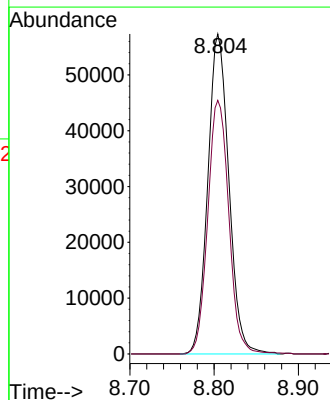
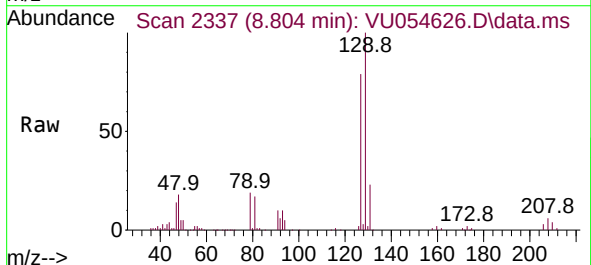
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

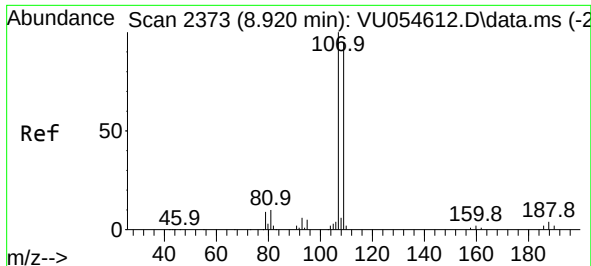
Tgt Ion:	43	Resp:	598939
Ion	Ratio	Lower	Upper
43	100		
58	53.8	45.2	67.8
57	19.3	15.8	23.6
100	9.8	8.7	13.1



#49
Dibromochloromethane
Concen: 4.850 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion:	129	Resp:	99862
Ion	Ratio	Lower	Upper
129	100		
127	79.3	53.2	98.8

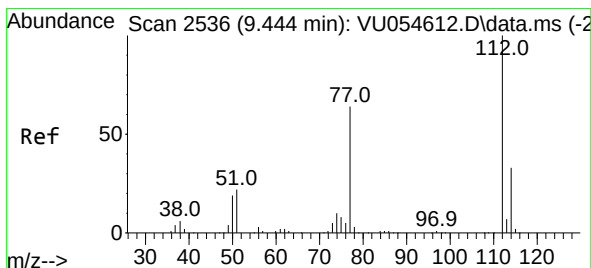
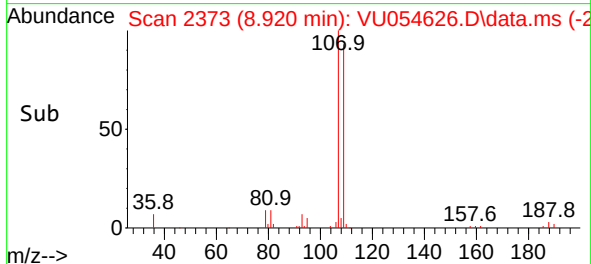
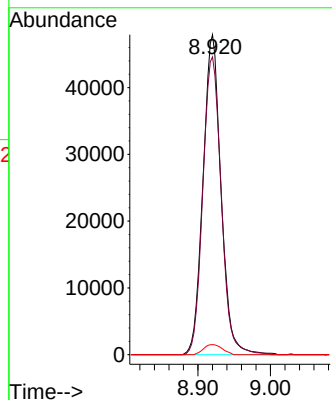
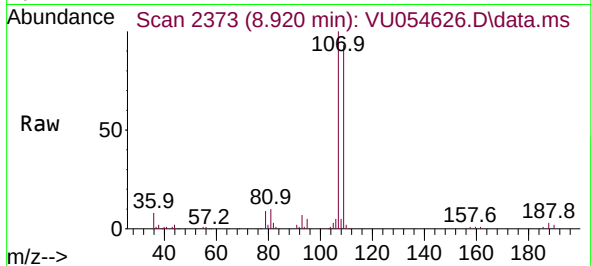




#50
1,2-Dibromoethane
Concen: 4.592 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

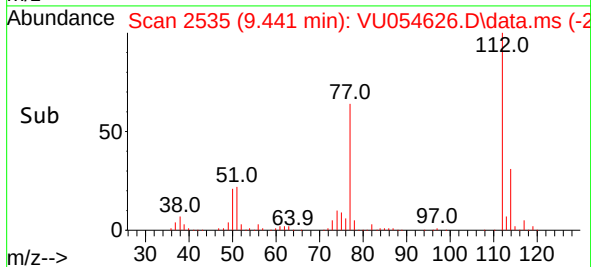
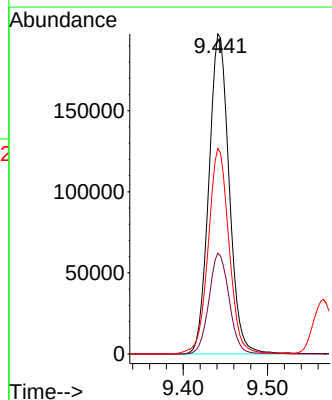
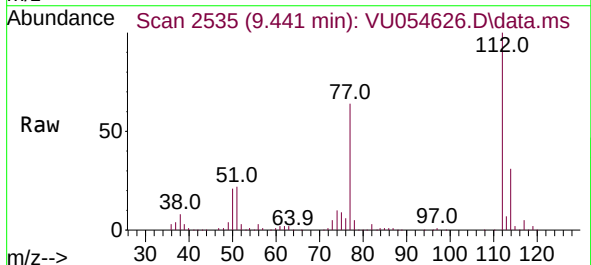
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

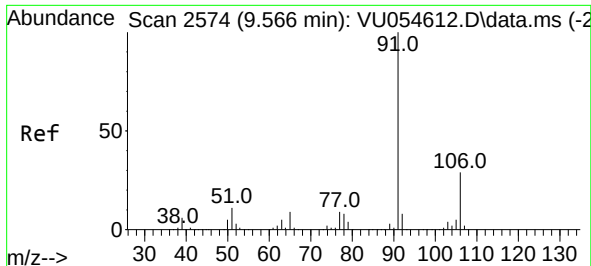
Tgt Ion:107 Resp: 82673
Ion Ratio Lower Upper
107 100
109 93.1 66.6 123.6
188 3.1 3.1 4.7



#51
Chlorobenzene
Concen: 4.518 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion:112 Resp: 330621
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.1
77 64.3 49.8 74.8

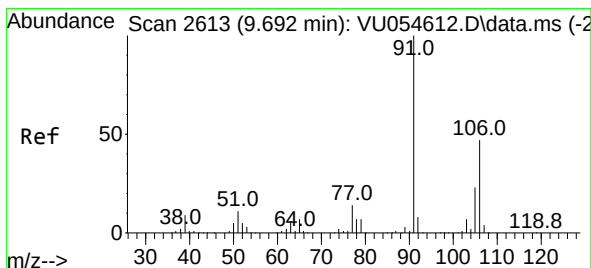
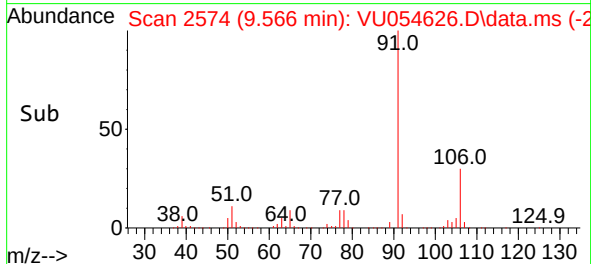
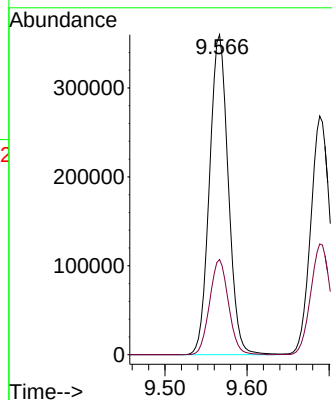
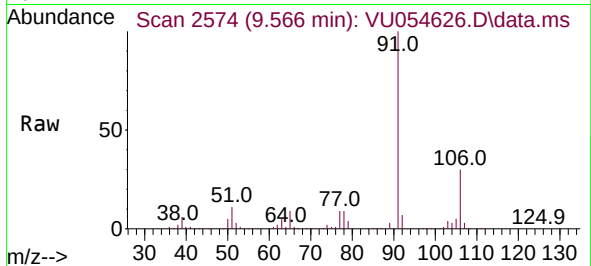




#52
Ethylbenzene
Concen: 4.458 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

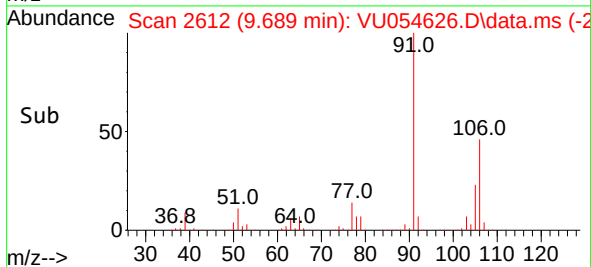
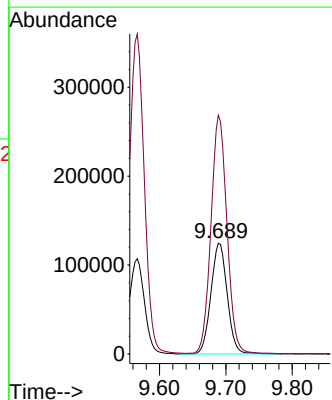
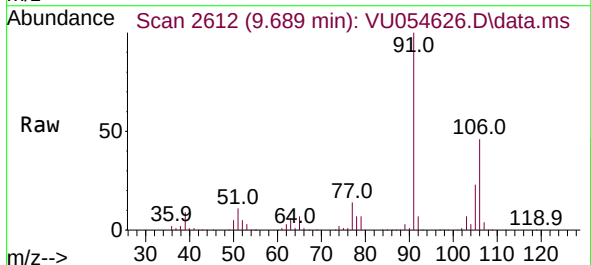
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

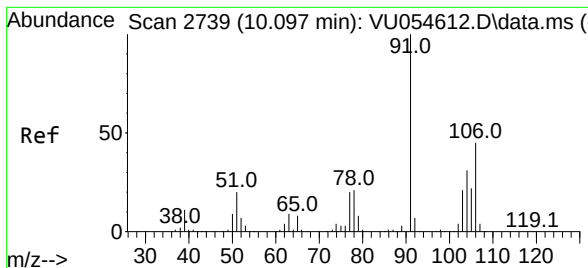
Tgt Ion: 91 Resp: 571564
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.3



#53
m,p-Xylene
Concen: 4.507 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 106 Resp: 212274
Ion Ratio Lower Upper
106 100
91 215.4 147.0 273.0





#54

o-Xylene

Concen: 4.479 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

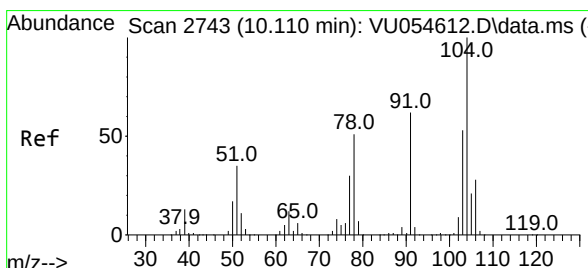
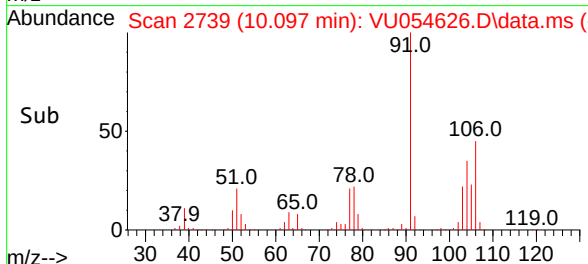
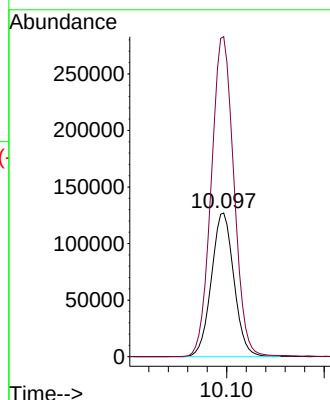
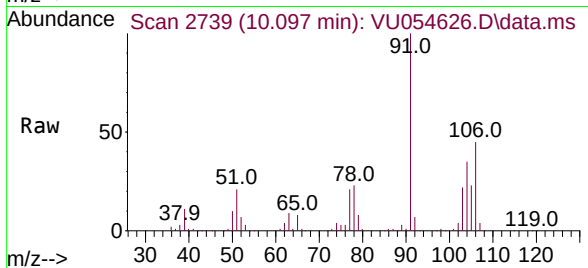
GCA37MS

Tgt Ion:106 Resp: 204020

Ion Ratio Lower Upper

106 100

91 222.7 154.5 286.9



#55

Styrene

Concen: 4.476 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU054626.D

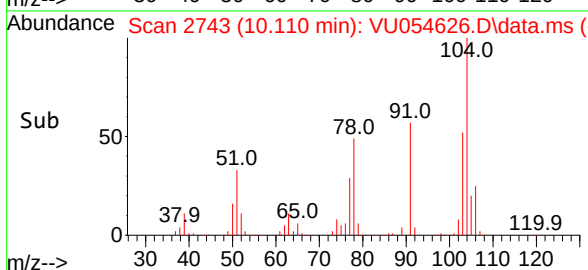
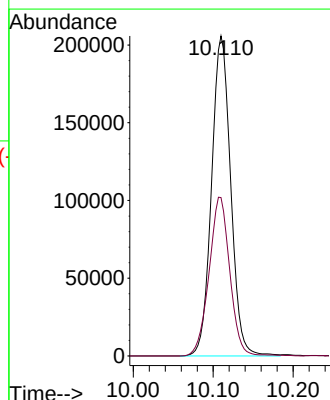
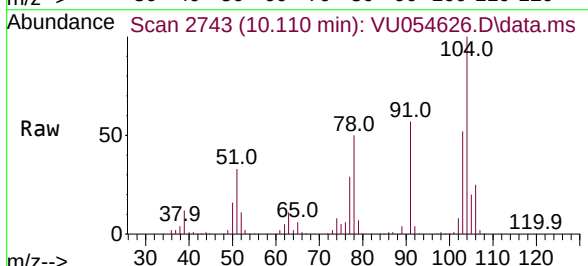
Acq: 20 Jun 2023 21:37

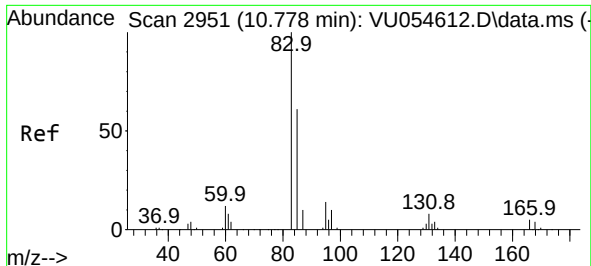
Tgt Ion:104 Resp: 342187

Ion Ratio Lower Upper

104 100

78 49.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.809 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

GCA37MS

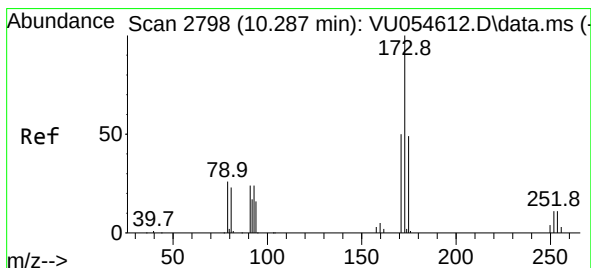
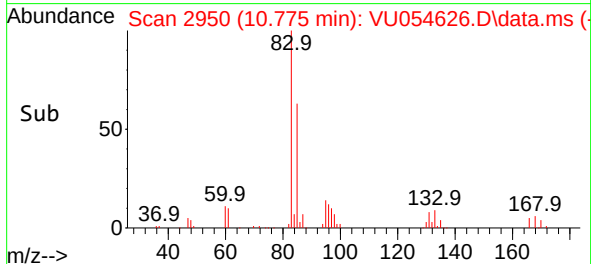
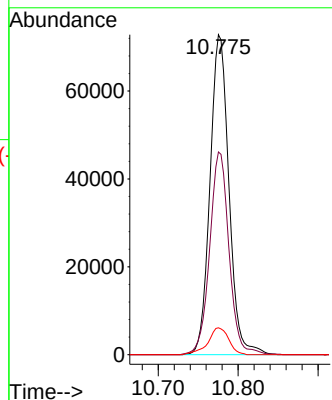
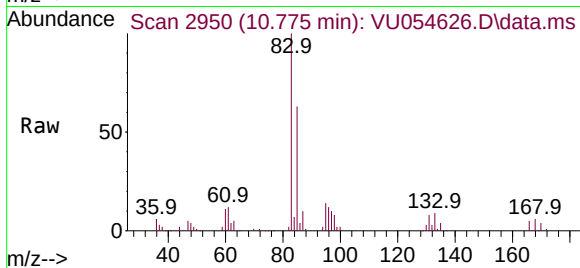
Tgt Ion: 83 Resp: 119783

Ion Ratio Lower Upper

83 100

85 63.4 44.2 82.2

131 8.4 7.0 10.6



#59

Bromoform

Concen: 5.169 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

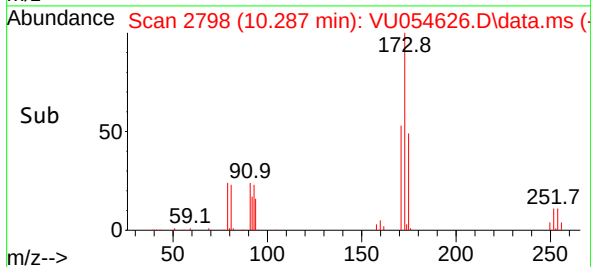
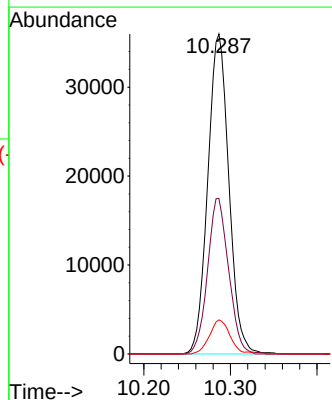
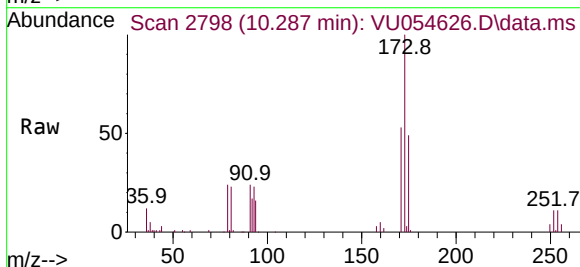
Tgt Ion:173 Resp: 60875

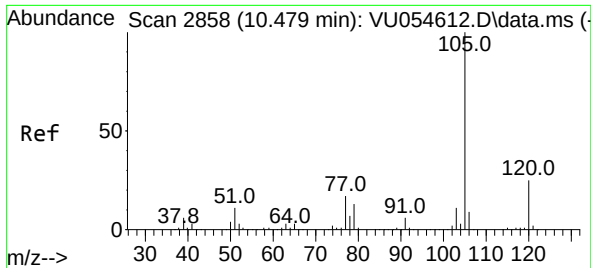
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.0

254 10.4 8.6 12.8

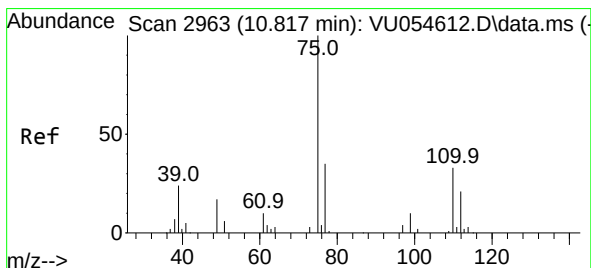
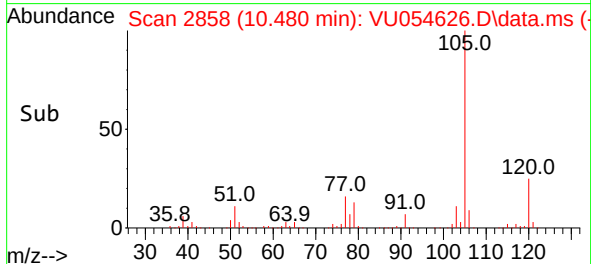
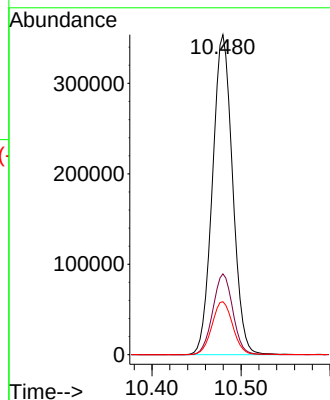
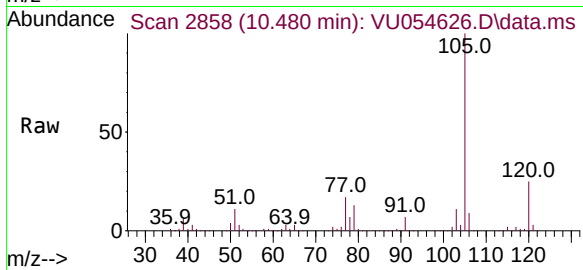




#60
Isopropylbenzene
Concen: 4.615 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

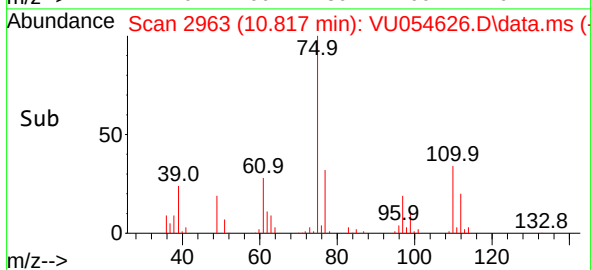
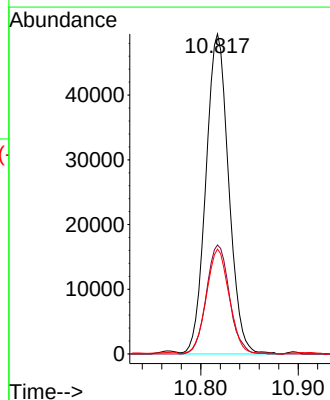
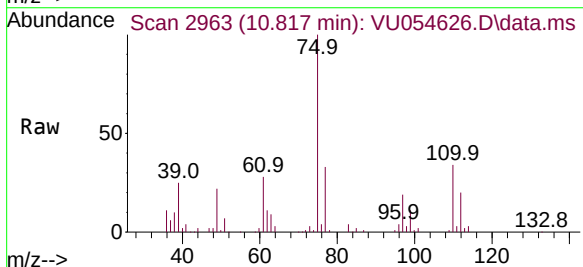
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

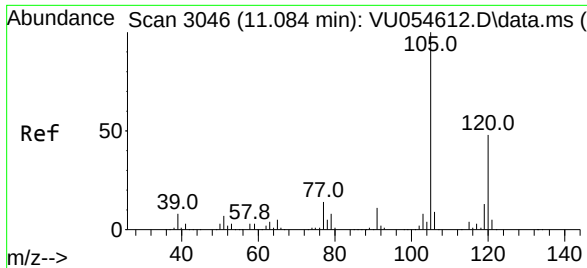
Tgt Ion:105 Resp: 553888
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3
77 17.2 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.847 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion: 75 Resp: 80363
Ion Ratio Lower Upper
75 100
110 34.4 28.0 42.0
77 32.9 25.4 38.2

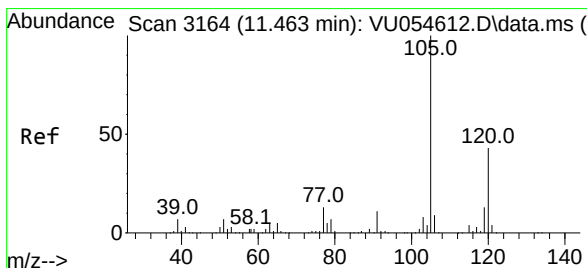
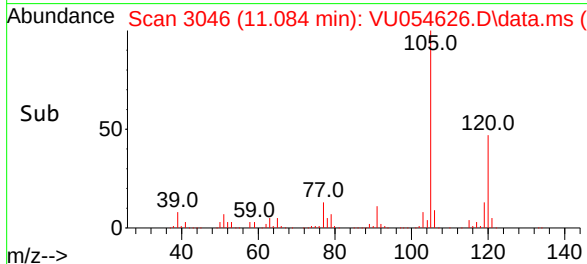
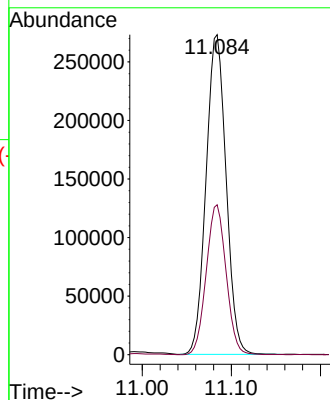
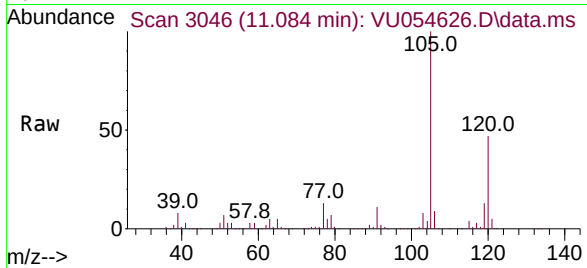




#62
1,3,5-Trimethylbenzene
Concen: 4.352 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

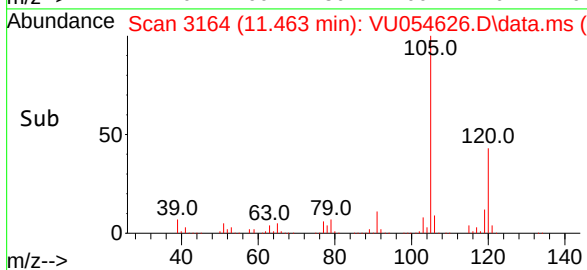
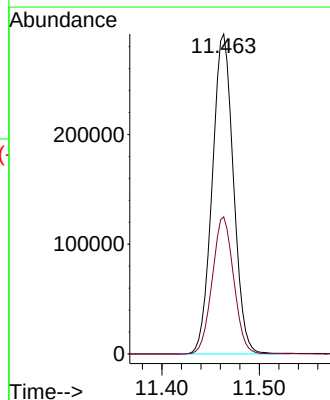
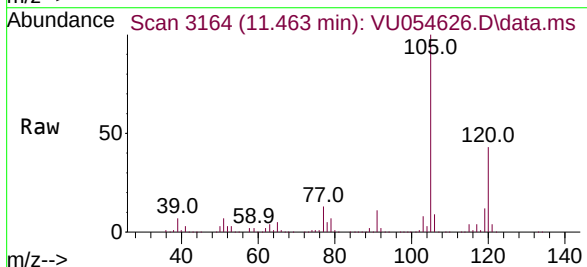
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

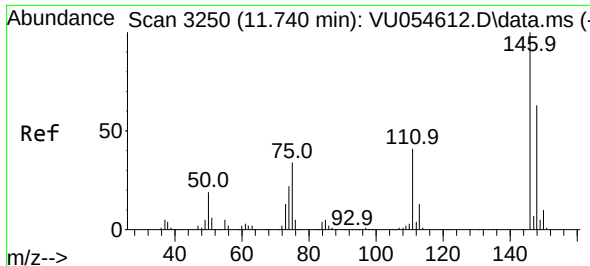
Tgt Ion:105 Resp: 426142
Ion Ratio Lower Upper
105 100
120 46.5 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 4.422 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion:105 Resp: 439728
Ion Ratio Lower Upper
105 100
120 43.5 35.4 53.0

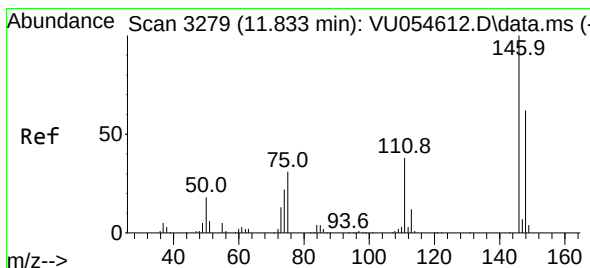
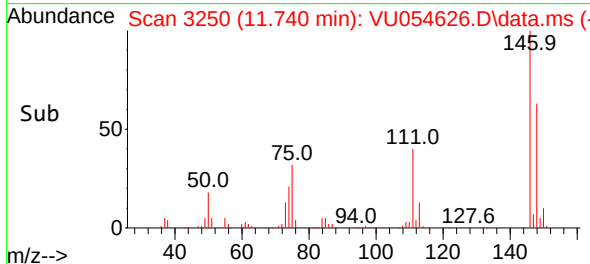
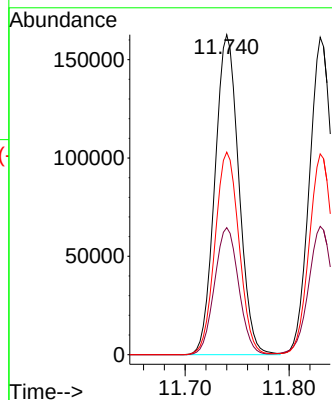
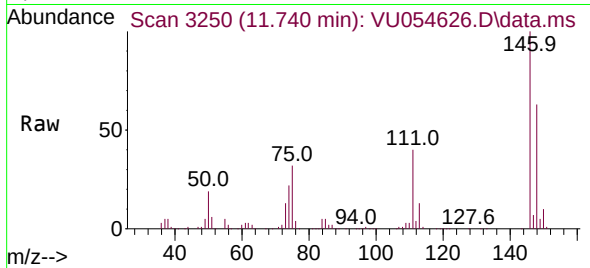




#64
1,3-Dichlorobenzene
Concen: 4.648 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

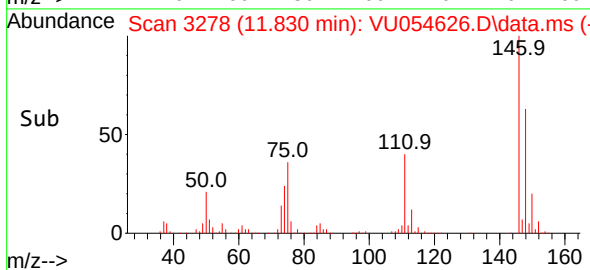
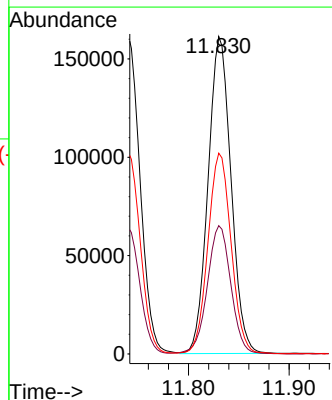
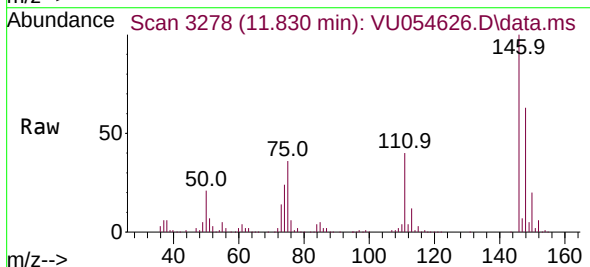
Instrument :
MSVOA_U
ClientSampleId :
GCA37MS

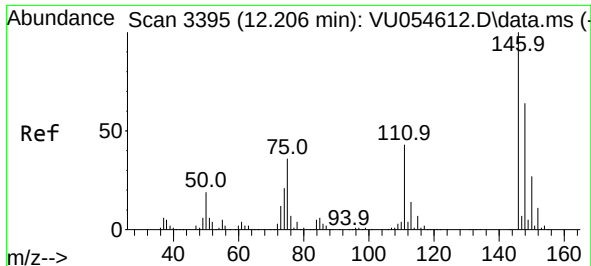
Tgt Ion:146 Resp: 260727
Ion Ratio Lower Upper
146 100
111 39.7 28.9 53.7
148 63.3 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.535 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054626.D
Acq: 20 Jun 2023 21:37

Tgt Ion:146 Resp: 255300
Ion Ratio Lower Upper
146 100
111 40.4 28.0 52.0
148 63.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.611 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

GCA37MS

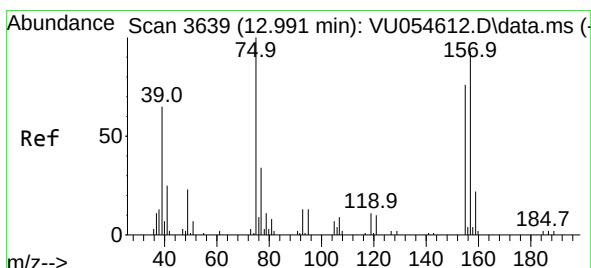
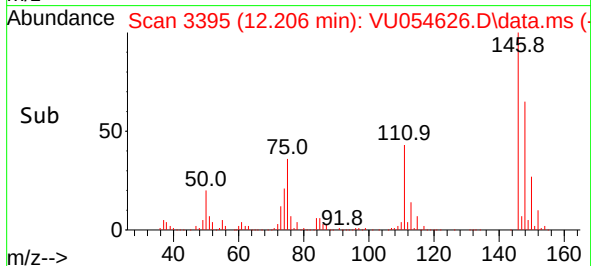
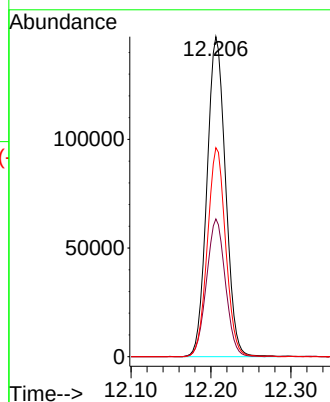
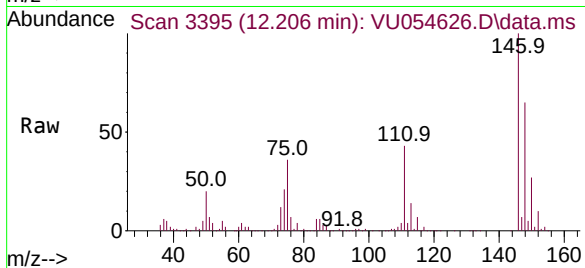
Tgt Ion:146 Resp: 237880

Ion Ratio Lower Upper

146 100

111 43.1 34.5 51.7

148 65.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.254 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

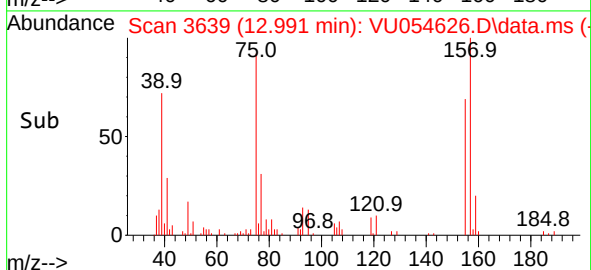
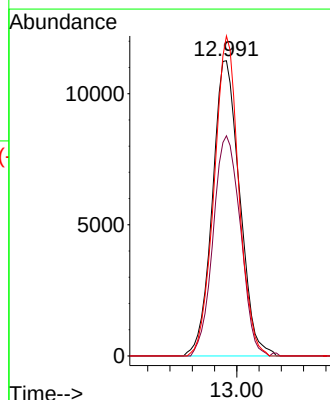
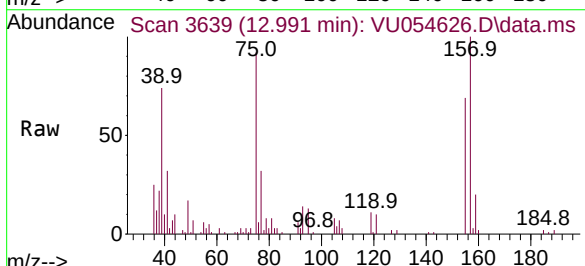
Tgt Ion: 75 Resp: 19142

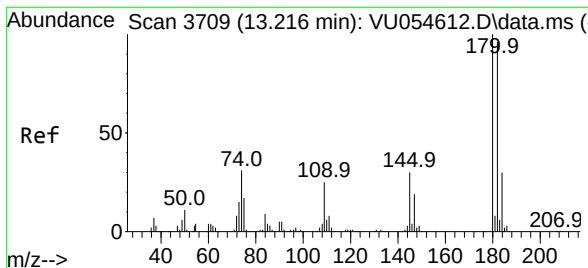
Ion Ratio Lower Upper

75 100

155 74.6 65.7 98.5

157 108.4 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 4.376 ug/L

RT: 13.213 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

GCA37MS

Tgt Ion:180 Resp: 185217

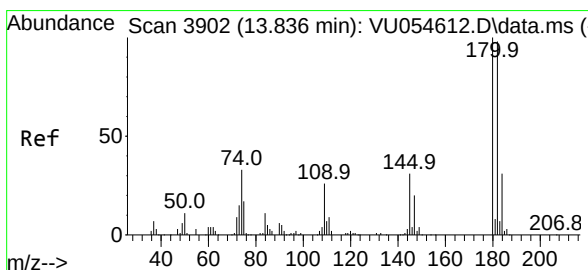
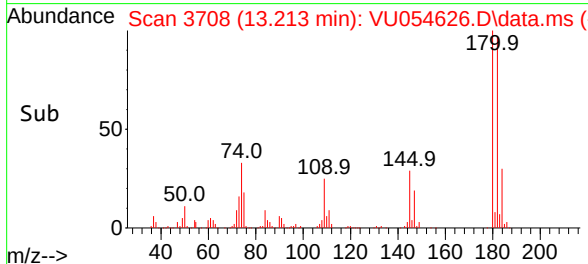
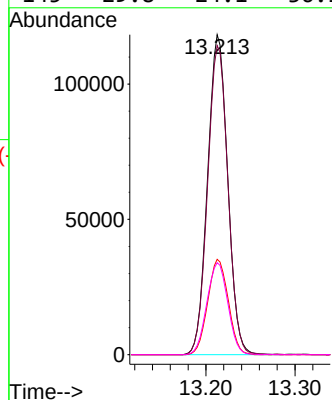
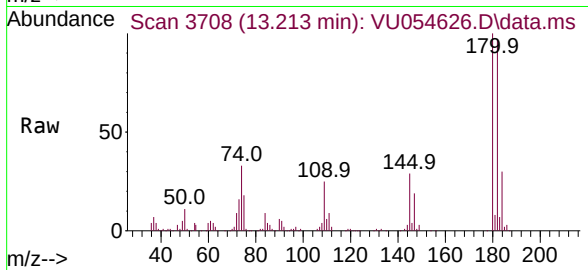
Ion Ratio Lower Upper

180 100

182 97.4 75.0 112.6

184 30.4 24.1 36.1

145 29.8 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.339 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

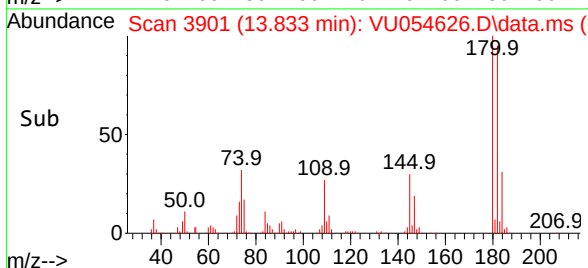
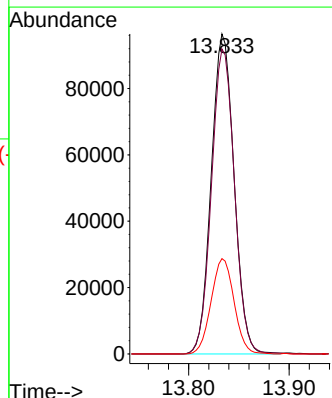
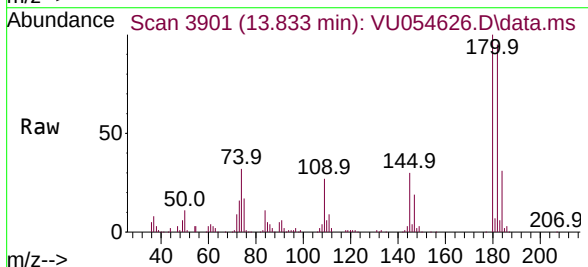
Tgt Ion:180 Resp: 151865

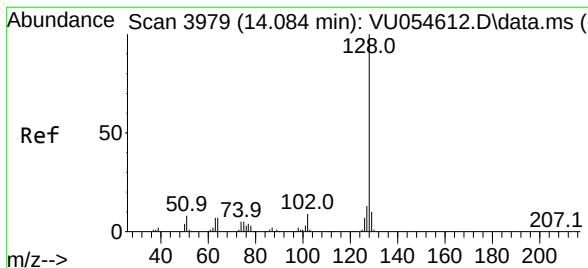
Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

145 29.9 24.0 36.0





#71

Naphthalene

Concen: 4.160 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Instrument :

MSVOA_U

ClientSampleId :

GCA37MS

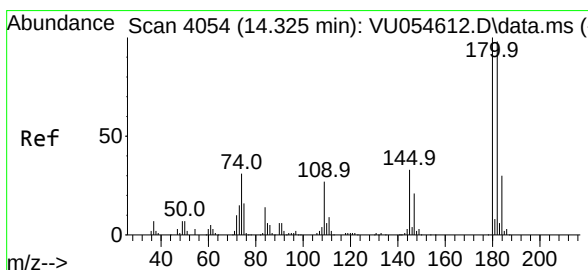
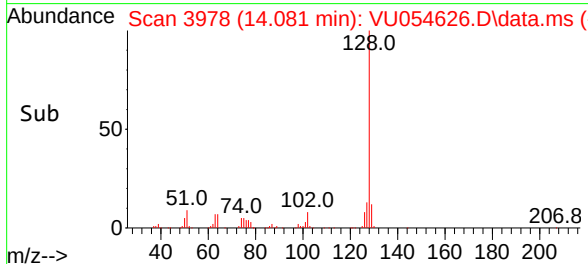
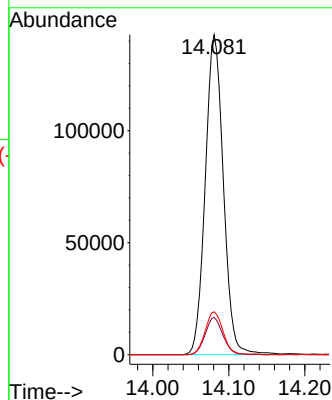
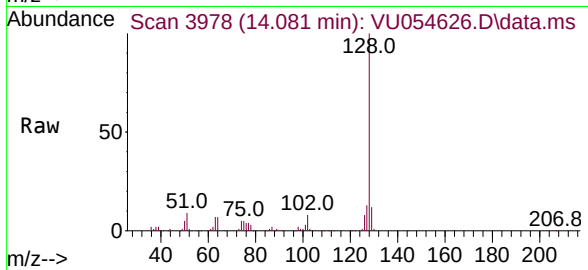
Tgt Ion:128 Resp: 236735

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.2 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.427 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU054626.D

Acq: 20 Jun 2023 21:37

Tgt Ion:180 Resp: 133124

Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.2

145 32.2 26.0 39.0

