

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062023\
 Data File : VU054627.D
 Acq On : 20 Jun 2023 22:01
 Operator : MD/SY
 Sample : 03326-09MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCA37MSD

Quant Time: Jun 21 04:06:48 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	327115	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	309808	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	158221	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	122985	5.908	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.200%
7) Chloroethane-d5	1.914	69	96550	4.953	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.000%
11) 1,1-Dichloroethene-d2	2.566	65	47407	5.099	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.000%
20) 2-Butanone-d5	4.627	46	278240	47.537	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.080%
24) Chloroform-d	5.058	84	192430	4.422	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.698	65	92750	4.372	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	5.724	84	373983	4.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.685	67	124804	4.339	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.800%
41) Toluene-d8	7.894	98	342293	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	8.174	79	46750	4.674	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.627	63	187347	44.649	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.300%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	92364	4.307	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	115191	4.316	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	122767	4.017	ug/L	100
3) Chloromethane	1.521	50	147305	4.195	ug/L	97
5) Vinyl chloride	1.605	62	157502	4.370	ug/L	99
6) Bromomethane	1.859	94	80324	4.054	ug/L	97
8) Chloroethane	1.933	64	97857	4.530	ug/L	98
9) Trichlorofluoromethane	2.139	101	192562	4.346	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	117597	4.537	ug/L	97
12) 1,1-Dichloroethene	2.579	96	104208	4.392	ug/L #	82
13) Acetone	2.644	43	229078	41.509	ug/L	98
14) Carbon disulfide	2.792	76	288701	4.103	ug/L	100
15) Methyl Acetate	2.952	43	51827	5.068	ug/L	96
16) Methylene chloride	3.042	84	122551	3.673	ug/L	92
17) Methyl tert-butyl Ether	3.357	73	271928	4.643	ug/L	95
18) trans-1,2-Dichloroethene	3.351	96	107308	4.381	ug/L	94
19) 1,1-Dichloroethane	3.865	63	251357	4.958	ug/L	99
21) 2-Butanone	4.708	43	358325	50.029	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	230008	8.245	ug/L	97
23) Bromochloromethane	4.968	128	53993	4.651	ug/L	94
25) Chloroform	5.084	83	250406	5.010	ug/L	100

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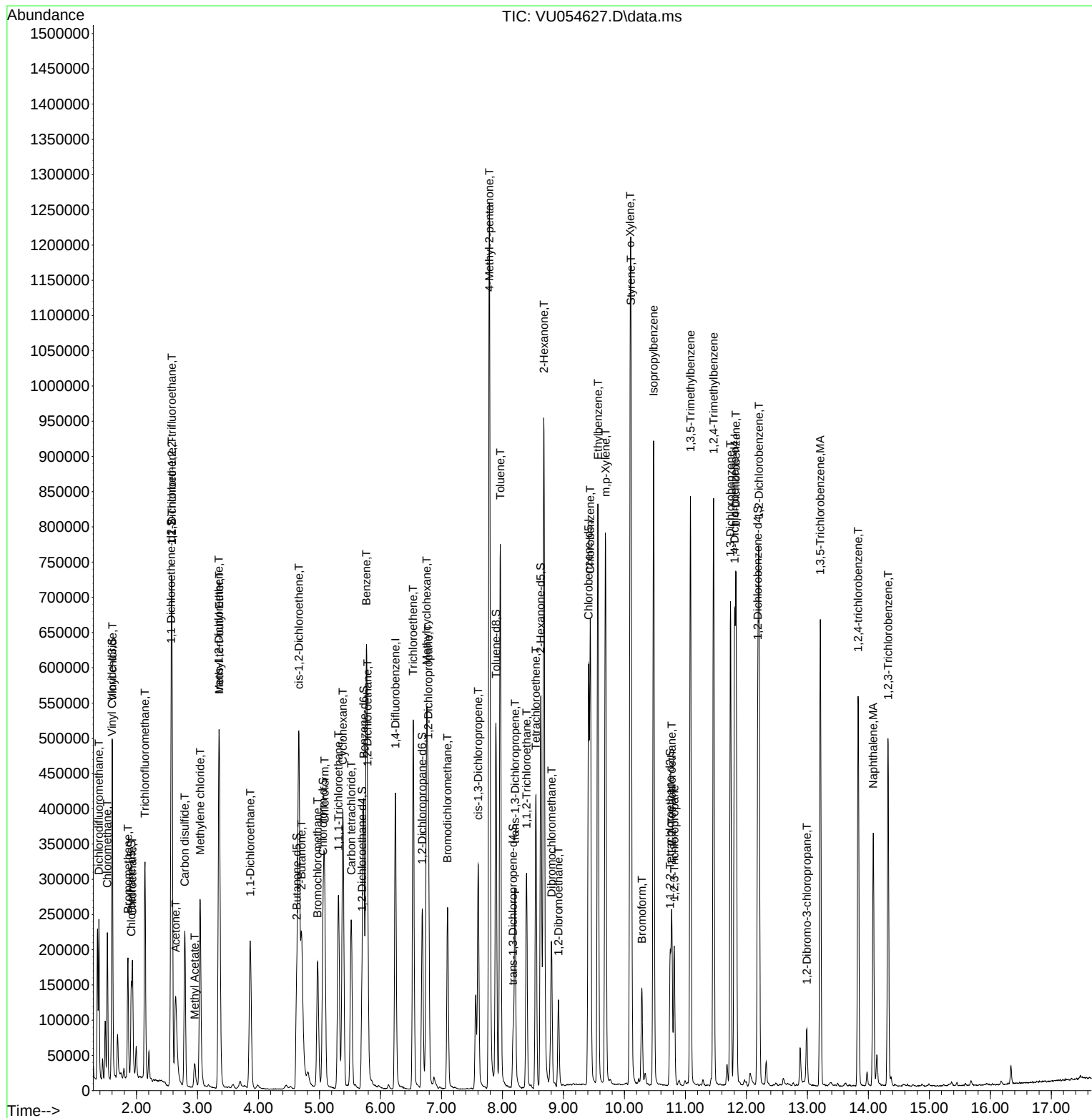
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	145944	4.982	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	198188	4.718	ug/L	98
30) Cyclohexane	5.383	56	199183	4.353	ug/L	98
31) Carbon tetrachloride	5.521	117	164810	4.553	ug/L	99
33) Benzene	5.769	78	537299	4.826	ug/L	100
34) Trichloroethene	6.537	95	181487	6.164	ug/L	96
35) Methylcyclohexane	6.759	83	182649	4.104	ug/L	96
37) 1,2-Dichloropropane	6.785	63	148169	4.922	ug/L	99
38) Bromodichloromethane	7.100	83	167135	4.905	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	192635	4.687	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	872919	54.334	ug/L	97
42) Toluene	7.965	91	559482	4.879	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	159634	4.786	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	96222	5.024	ug/L	99
47) Tetrachloroethene	8.550	164	91955	4.080	ug/L	97
48) 2-Hexanone	8.679	43	627254	52.399	ug/L	98
49) Dibromochloromethane	8.804	129	100198	4.983	ug/L	94
50) 1,2-Dibromoethane	8.920	107	83730	4.762	ug/L	96
51) Chlorobenzene	9.441	112	323501	4.526	ug/L	98
52) Ethylbenzene	9.566	91	577329	4.610	ug/L	99
53) m,p-Xylene	9.692	106	215167	4.677	ug/L	99
54) o-Xylene	10.097	106	207008	4.653	ug/L	99
55) Styrene	10.110	104	350120	4.689	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	123447	5.075	ug/L	98
59) Bromoform	10.286	173	60871	5.359	ug/L	99
60) Isopropylbenzene	10.479	105	562167	4.857	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	85172	5.327	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	440134	4.661	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	448486	4.676	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	266078	4.918	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	260177	4.792	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	241088	4.845	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	20207	5.751	ug/L	88
69) 1,3,5-Trichlorobenzene	13.212	180	193370	4.737	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	163682	4.849	ug/L	99
71) Naphthalene	14.080	128	273571	4.984	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	146190	5.041	ug/L	99

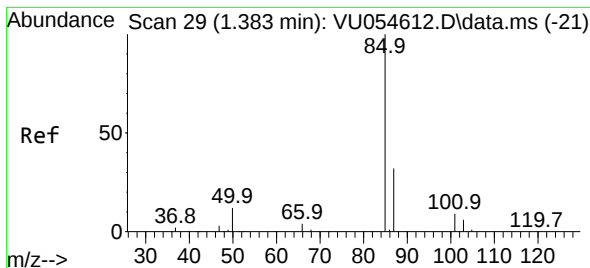
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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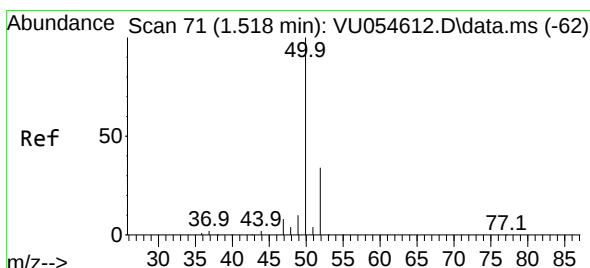
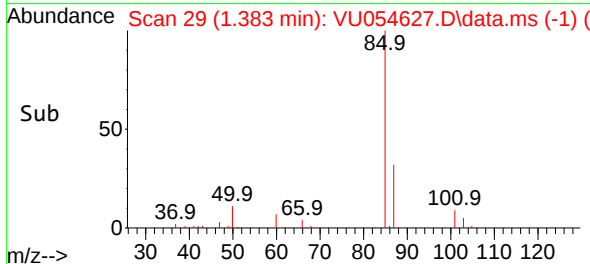
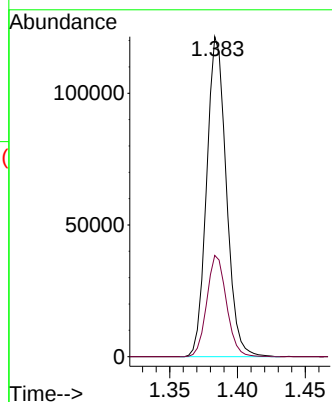
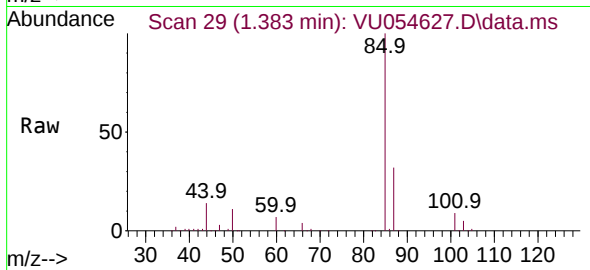




#2
 Dichlorodifluoromethane
 Concen: 4.017 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054627.D
 Acq: 20 Jun 2023 22:01

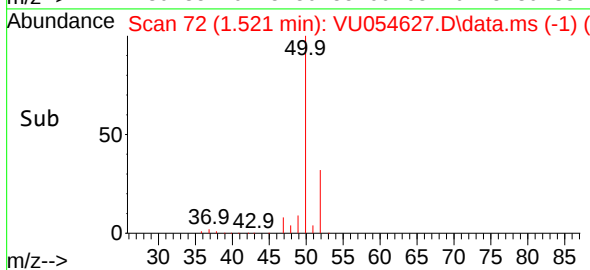
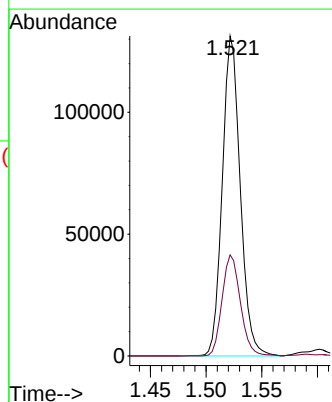
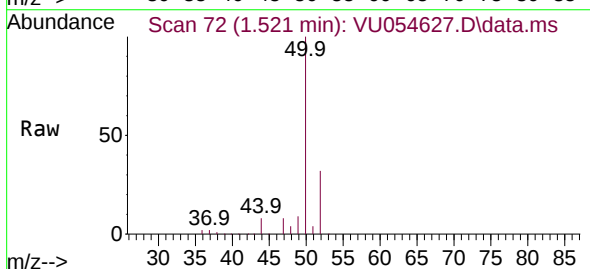
Instrument :
 MSVOA_U
 ClientSampleId :
 GCA37MSD

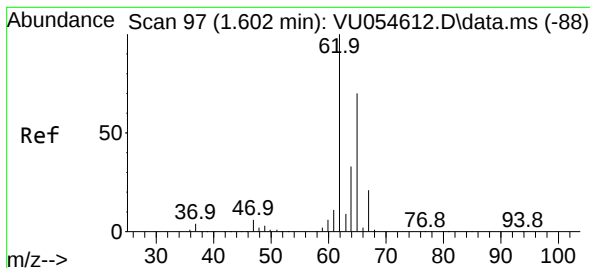
Tgt Ion: 85 Resp: 122767
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.4 38.2



#3
 Chloromethane
 Concen: 4.195 ug/L
 RT: 1.521 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU054627.D
 Acq: 20 Jun 2023 22:01

Tgt Ion: 50 Resp: 147305
 Ion Ratio Lower Upper
 50 100
 52 31.6 23.4 43.4





#5

Vinyl chloride

Concen: 4.370 ug/L

RT: 1.605 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

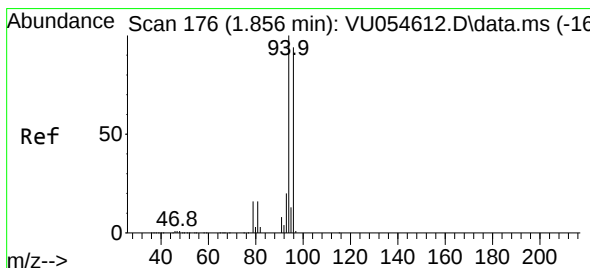
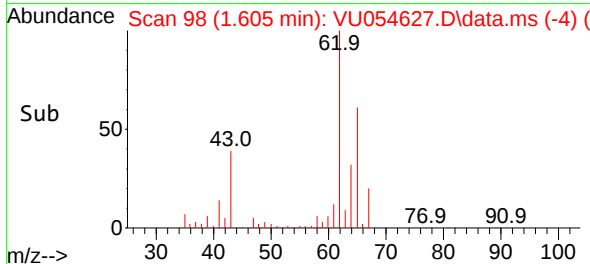
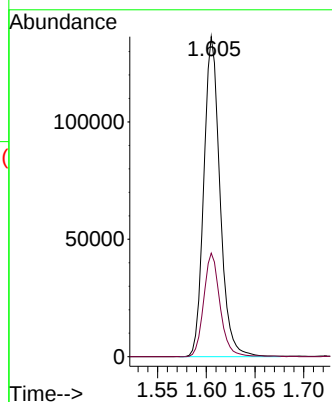
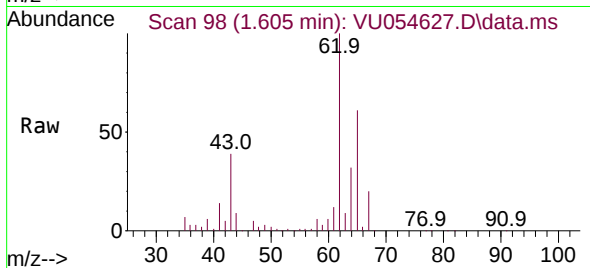
GCA37MSD

Tgt Ion: 62 Resp: 157502

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



#6

Bromomethane

Concen: 4.054 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.003 min

Lab File: VU054627.D

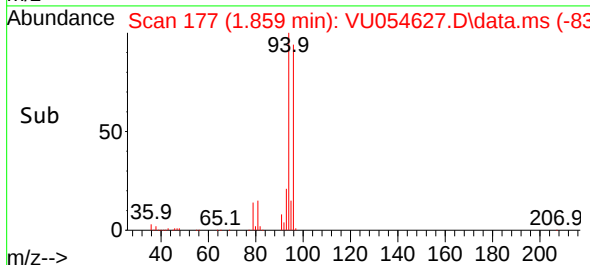
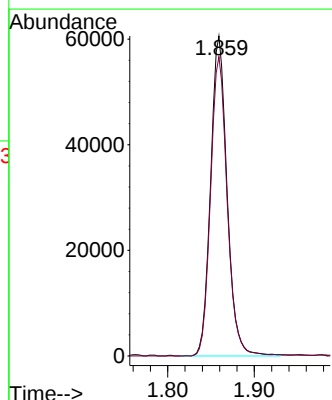
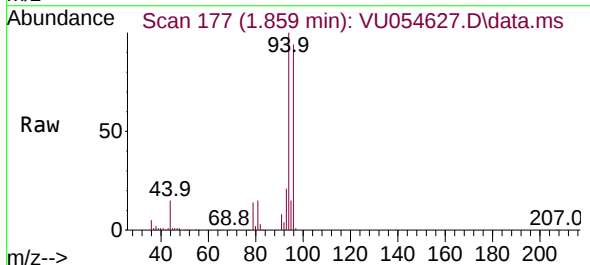
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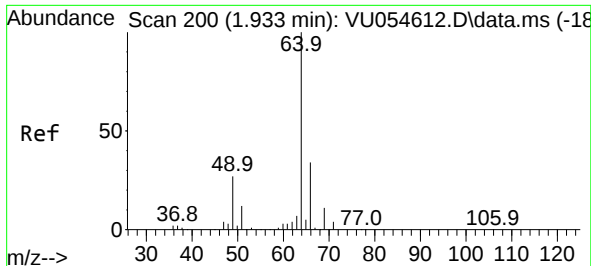
Tgt Ion: 94 Resp: 80324

Ion Ratio Lower Upper

94 100

96 93.5 63.6 118.2

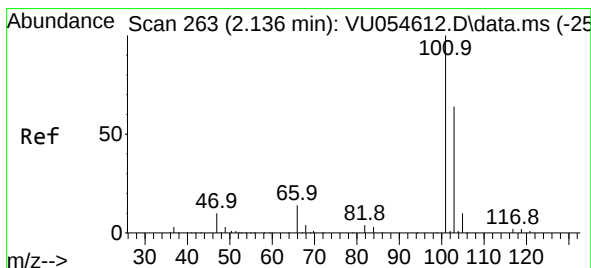
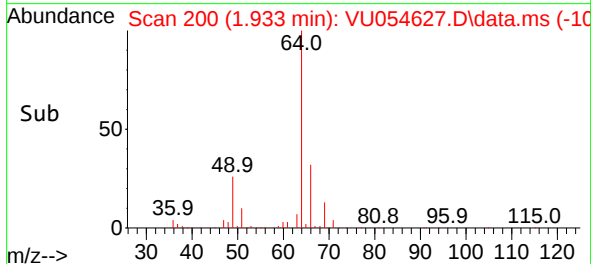
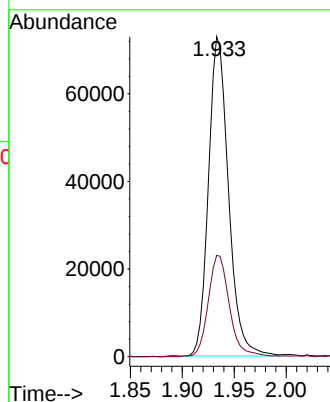
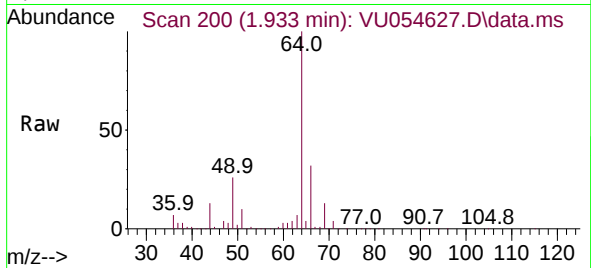




#8
Chloroethane
Concen: 4.530 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

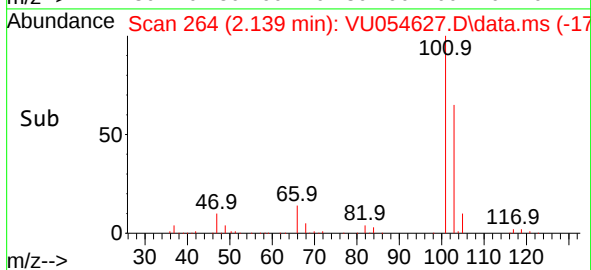
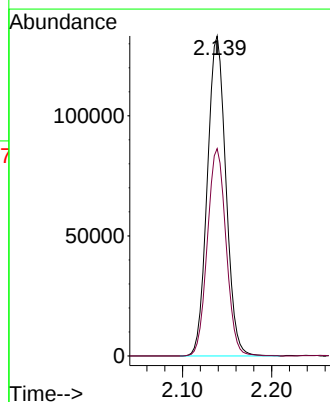
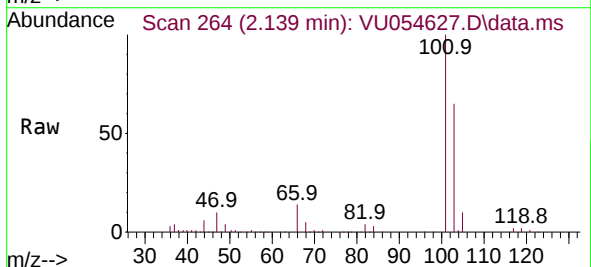
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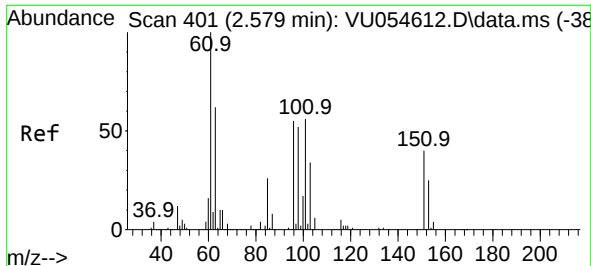
Tgt Ion: 64 Resp: 97857
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.346 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion:101 Resp: 192562
Ion Ratio Lower Upper
101 100
103 65.2 50.6 75.8

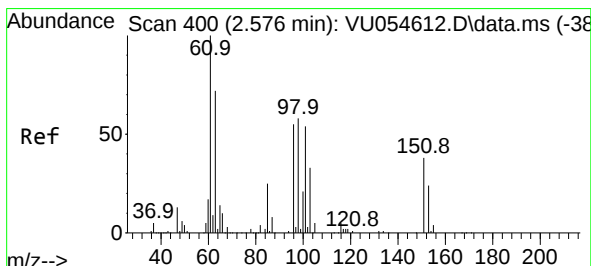
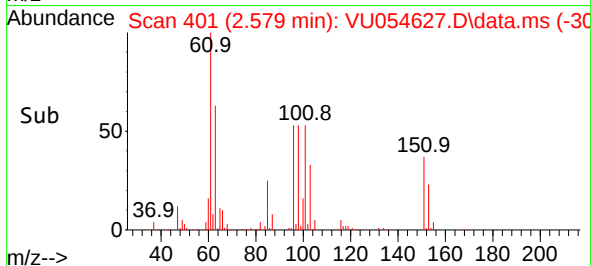
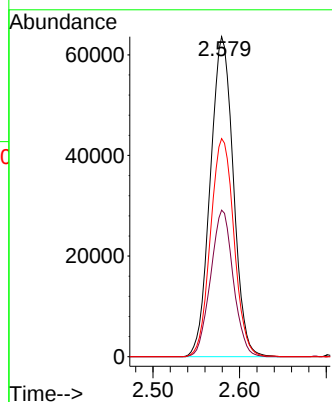
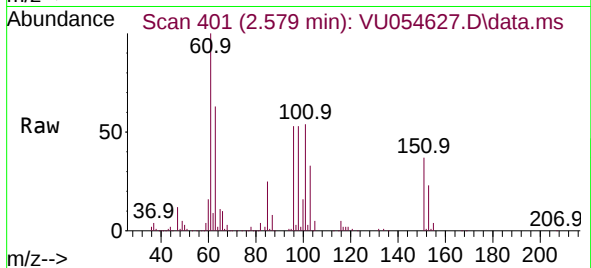




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.537 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054627.D
 Acq: 20 Jun 2023 22:01

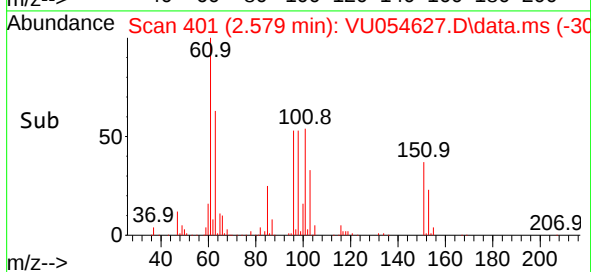
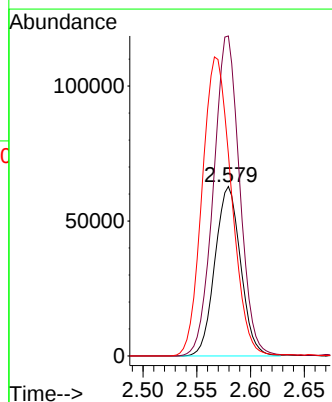
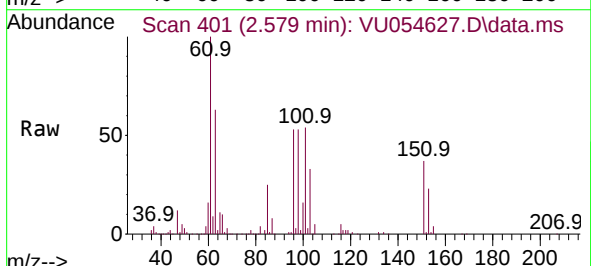
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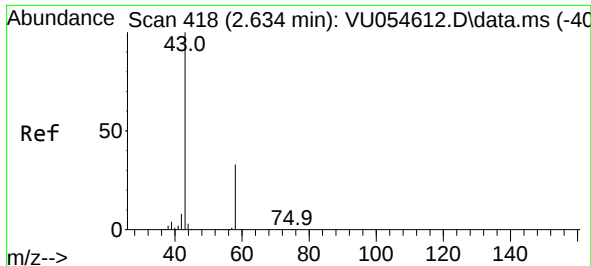
Tgt Ion: 101 Resp: 117597
 Ion Ratio Lower Upper
 101 100
 85 45.0 34.6 51.8
 151 69.5 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.392 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU054627.D
 Acq: 20 Jun 2023 22:01

Tgt Ion: 96 Resp: 104208
 Ion Ratio Lower Upper
 96 100
 61 188.8 119.9 222.7
 63 119.4 64.3 119.3#





#13

Acetone

Concen: 41.509 ug/L

RT: 2.644 min Scan# 418

Delta R.T. 0.009 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

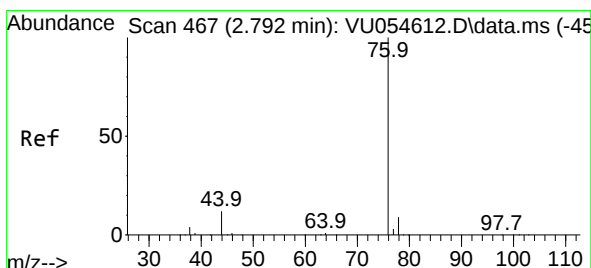
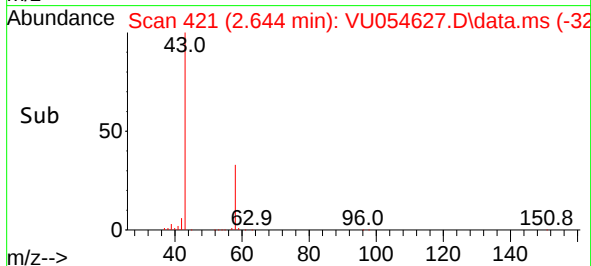
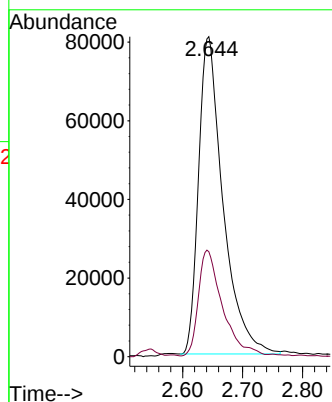
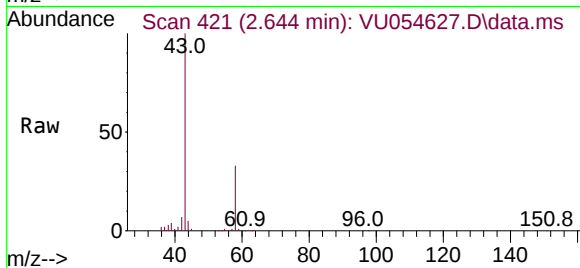
GCA37MSD

Tgt Ion: 43 Resp: 229078

Ion Ratio Lower Upper

43 100

58 32.6 0.0 67.2



#14

Carbon disulfide

Concen: 4.103 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054627.D

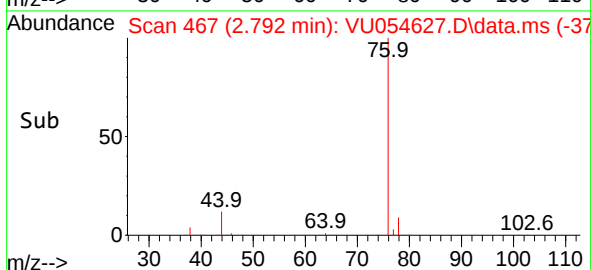
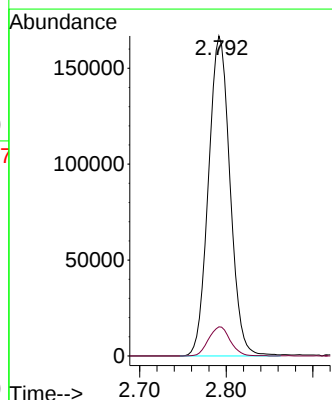
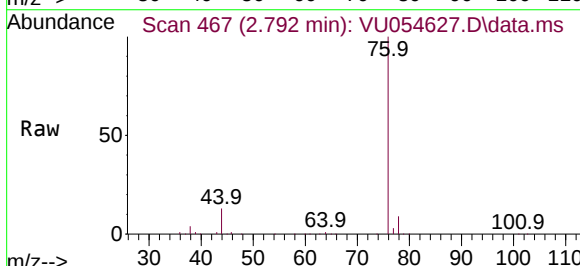
Acq: 20 Jun 2023 22:01

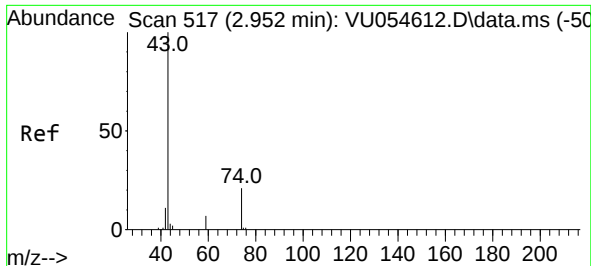
Tgt Ion: 76 Resp: 288701

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

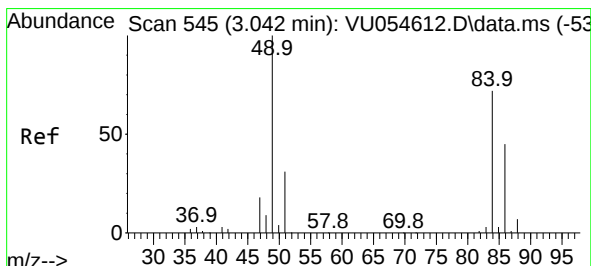
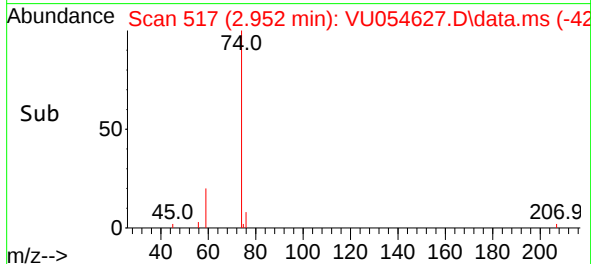
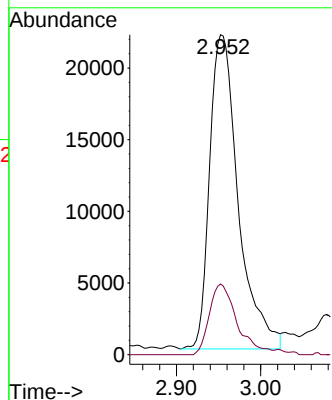
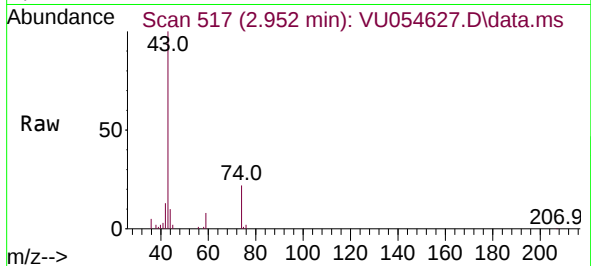




#15
Methyl Acetate
Concen: 5.068 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

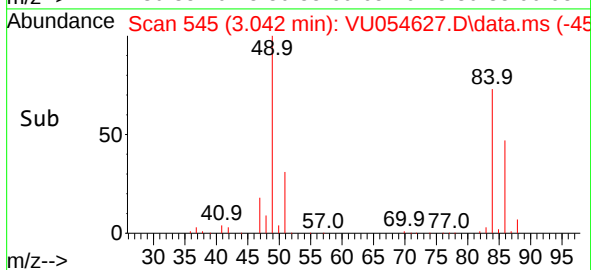
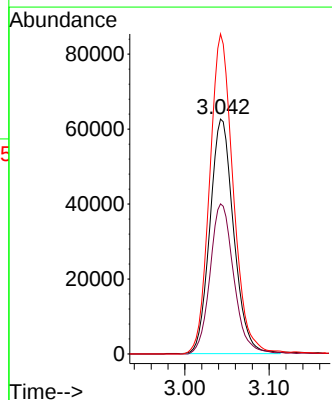
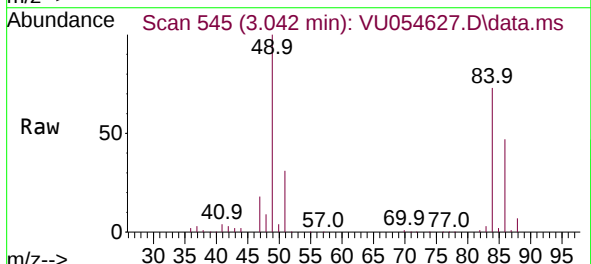
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

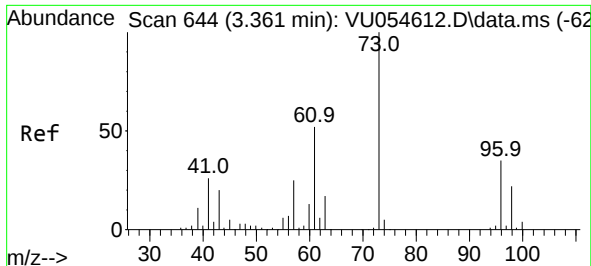
Tgt Ion: 43 Resp: 51827
Ion Ratio Lower Upper
43 100
74 21.7 19.0 28.6



#16
Methylene chloride
Concen: 3.673 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion: 84 Resp: 122551
Ion Ratio Lower Upper
84 100
86 63.9 43.9 81.5
49 136.2 86.1 159.9

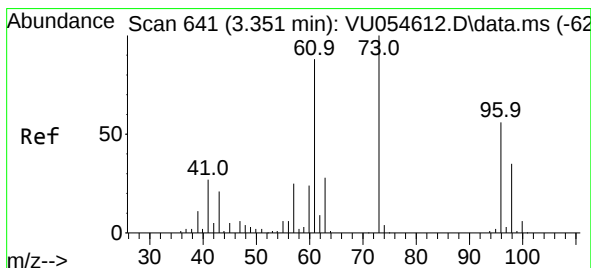
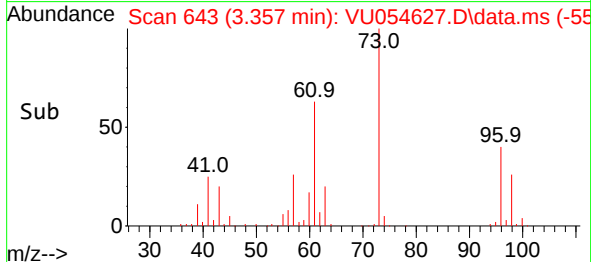
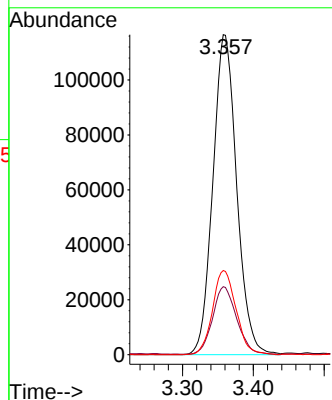
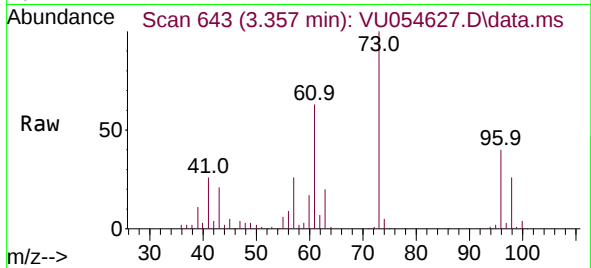




#17
Methyl tert-butyl Ether
Concen: 4.643 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.003 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

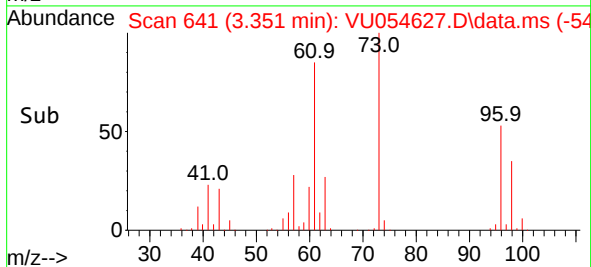
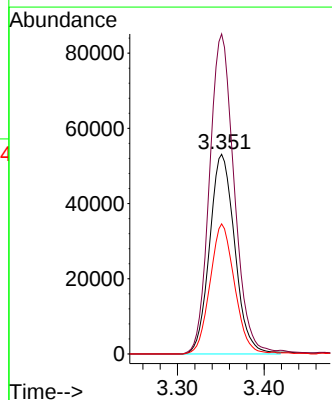
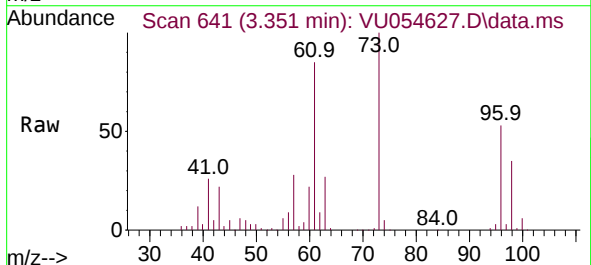
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

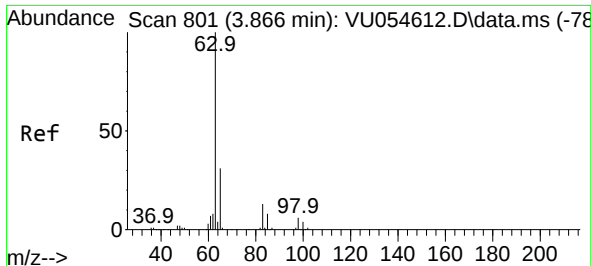
Tgt Ion: 73 Resp: 271928
Ion Ratio Lower Upper
73 100
43 21.7 15.7 23.5
57 26.0 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.381 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion: 96 Resp: 107308
Ion Ratio Lower Upper
96 100
61 160.2 104.6 194.2
98 65.1 45.4 84.4





#19

1,1-Dichloroethane

Concen: 4.958 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

GCA37MSD

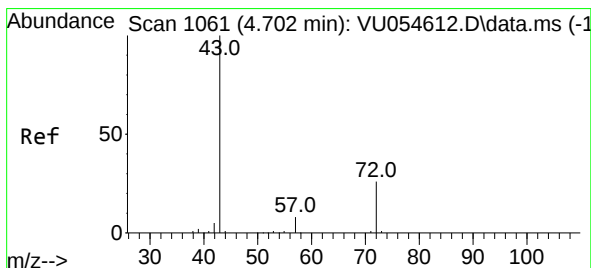
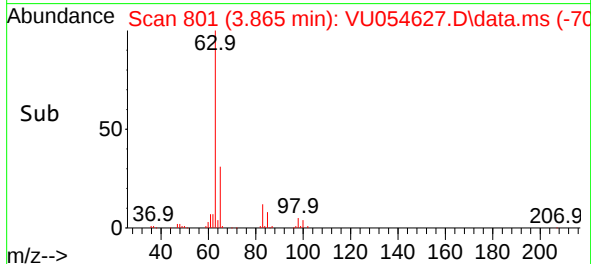
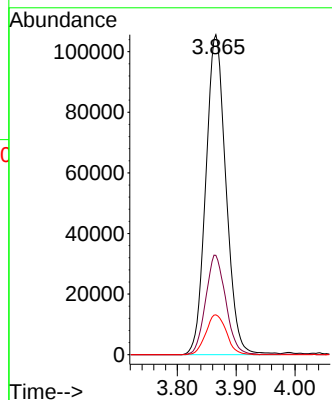
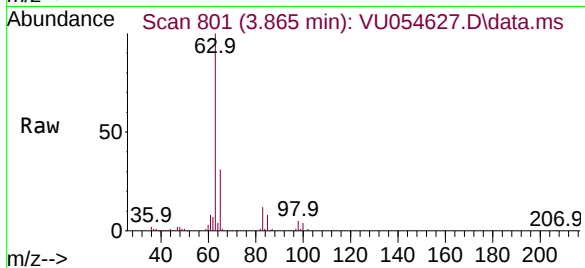
Tgt Ion: 63 Resp: 251357

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

83 12.4 9.0 16.6



#21

2-Butanone

Concen: 50.029 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VU054627.D

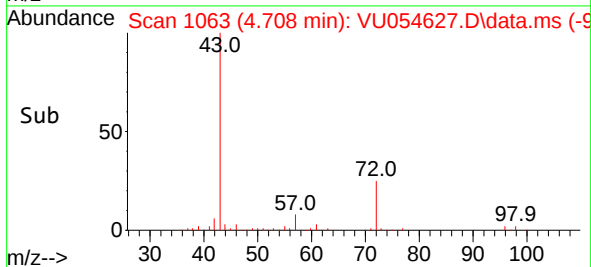
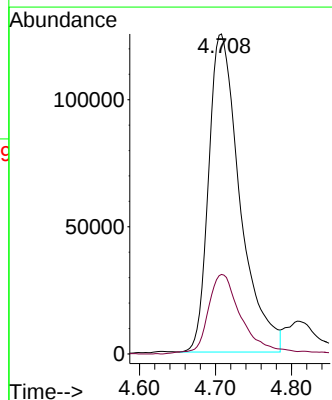
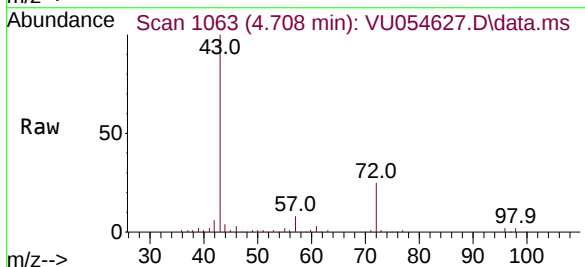
Acq: 20 Jun 2023 22:01

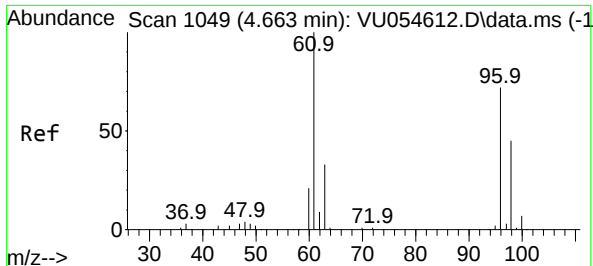
Tgt Ion: 43 Resp: 358325

Ion Ratio Lower Upper

43 100

72 26.6 13.4 40.1





#22

cis-1,2-Dichloroethene

Concen: 8.245 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

GCA37MSD

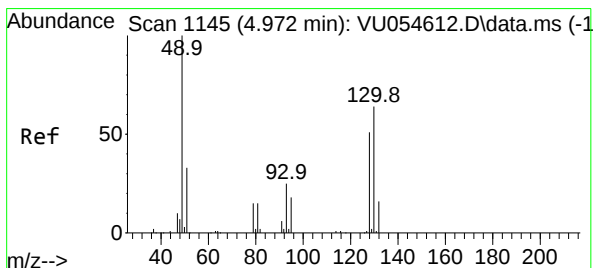
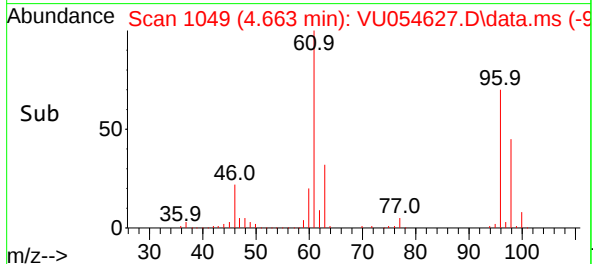
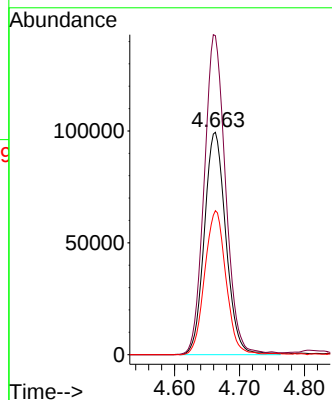
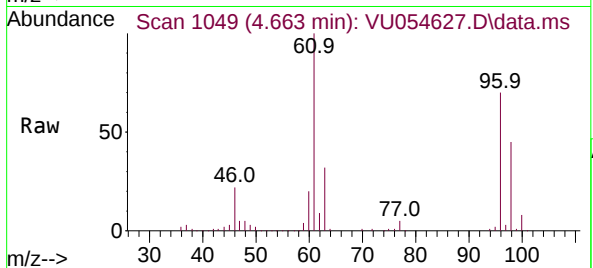
Tgt Ion: 96 Resp: 230008

Ion Ratio Lower Upper

96 100

61 143.5 96.5 179.1

98 64.8 44.9 83.3



#23

Bromochloromethane

Concen: 4.651 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Tgt Ion: 128 Resp: 53993

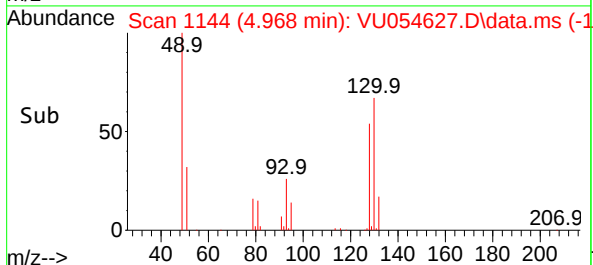
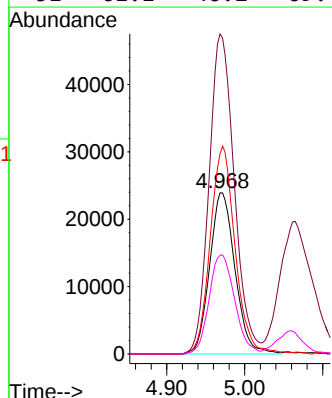
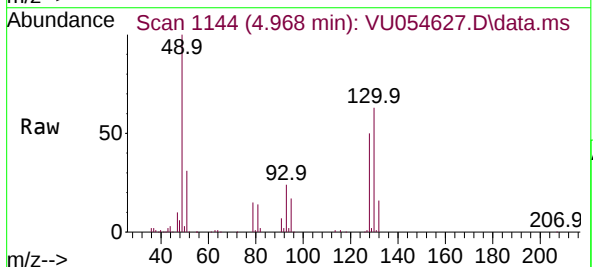
Ion Ratio Lower Upper

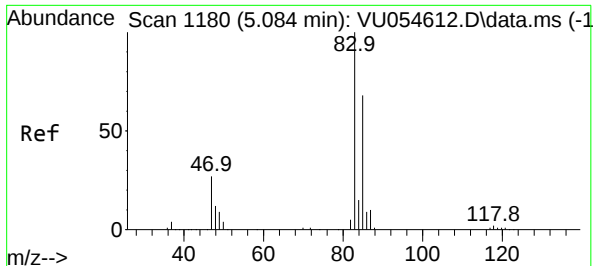
128 100

49 198.6 132.1 245.3

130 124.2 91.5 169.9

51 61.1 46.2 69.4





#25

Chloroform

Concen: 5.010 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

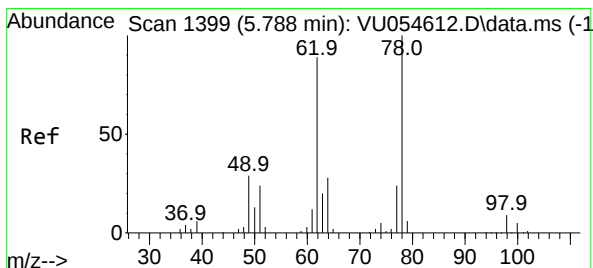
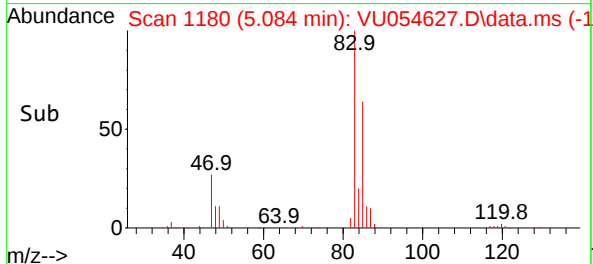
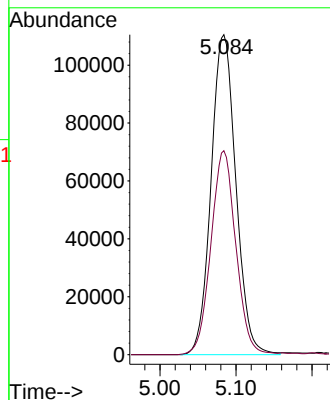
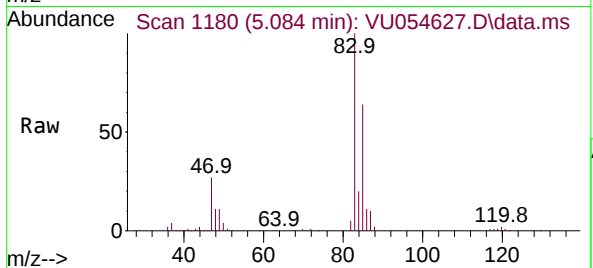
GCA37MSD

Tgt Ion: 83 Resp: 250406

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9



#27

1,2-Dichloroethane

Concen: 4.982 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU054627.D

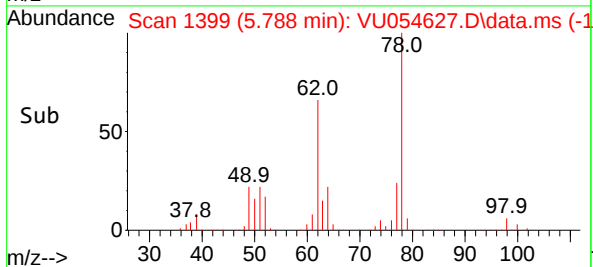
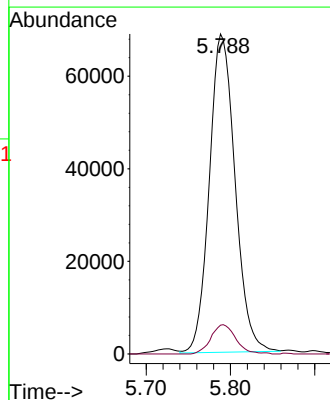
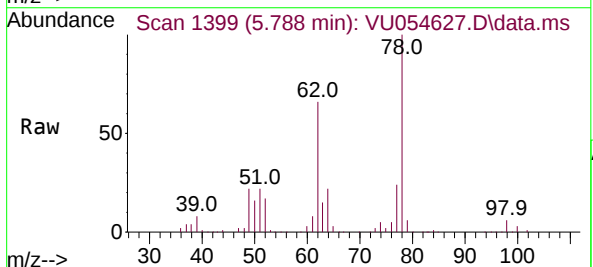
Acq: 20 Jun 2023 22:01

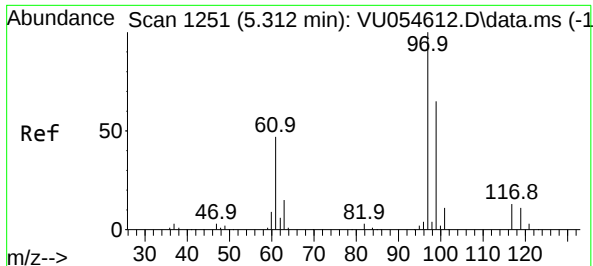
Tgt Ion: 62 Resp: 145944

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.718 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

GCA37MSD

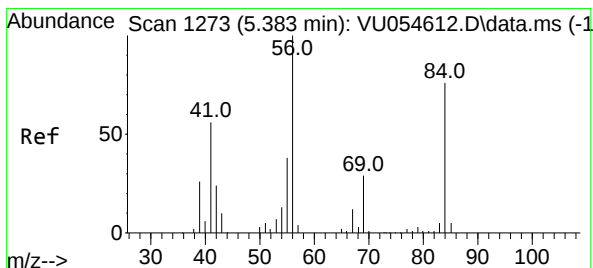
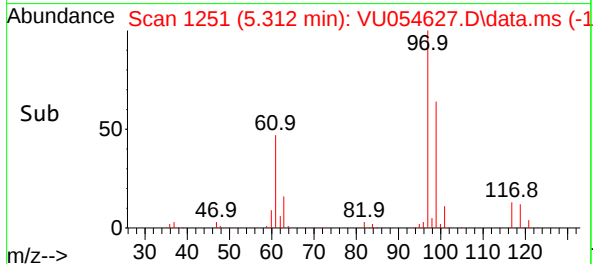
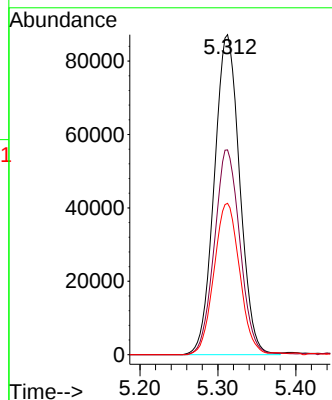
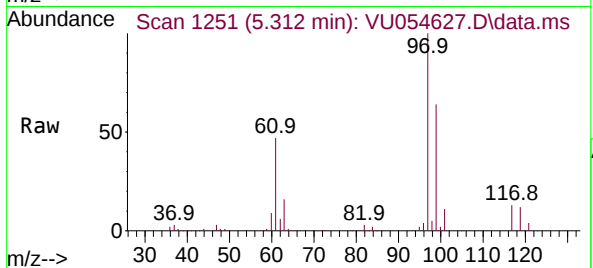
Tgt Ion: 97 Resp: 198188

Ion Ratio Lower Upper

97 100

99 64.5 50.8 76.2

61 47.6 36.1 54.1



#30

Cyclohexane

Concen: 4.353 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

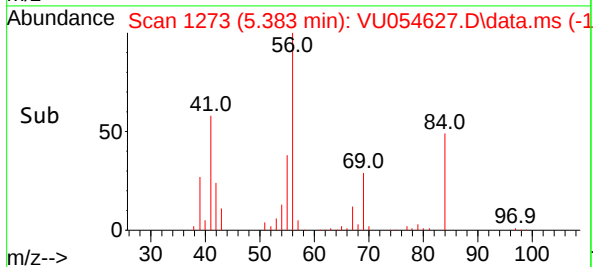
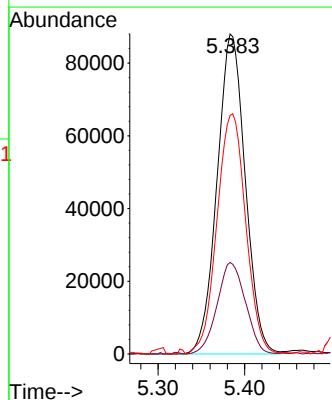
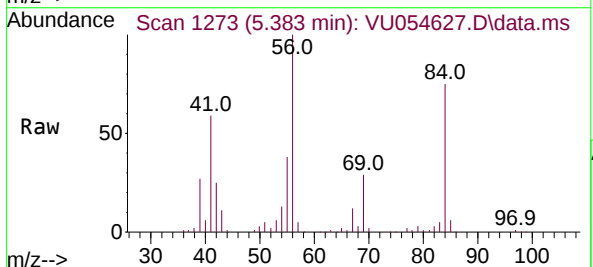
Tgt Ion: 56 Resp: 199183

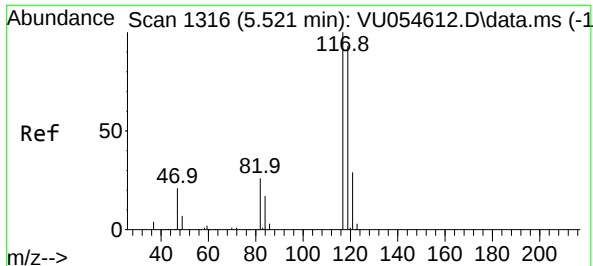
Ion Ratio Lower Upper

56 100

69 28.7 23.9 35.9

84 76.6 63.0 94.6

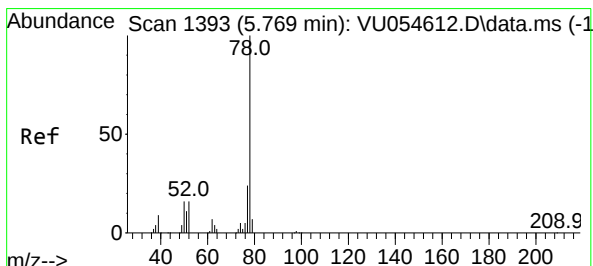
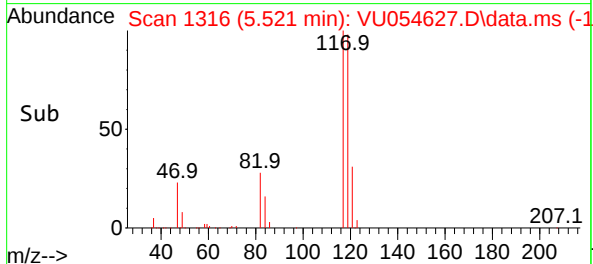
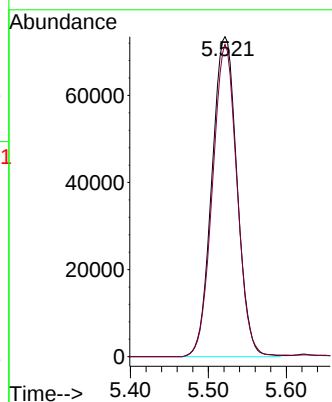
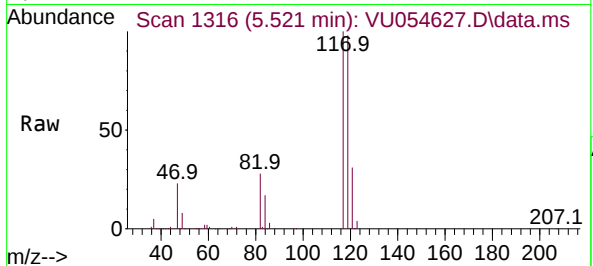




#31
Carbon tetrachloride
Concen: 4.553 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

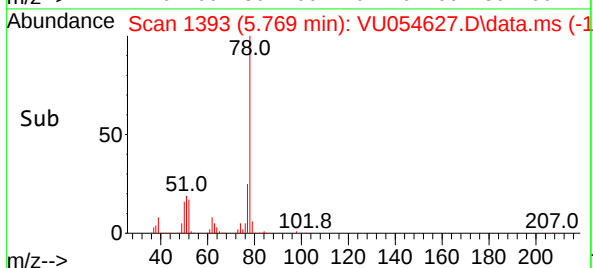
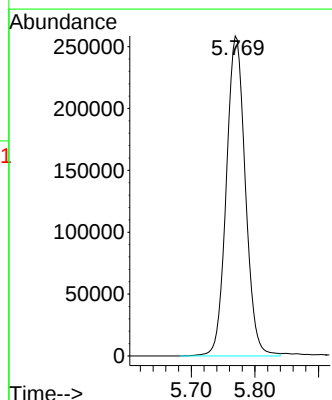
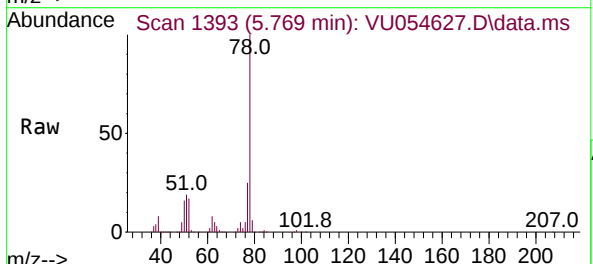
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

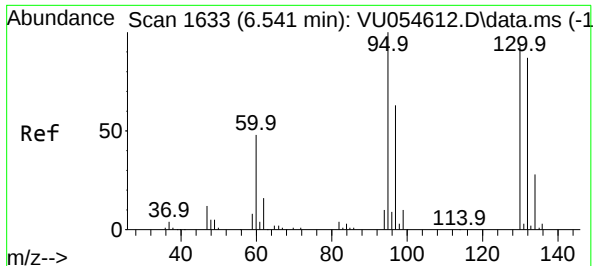
Tgt Ion:117 Resp: 164810
Ion Ratio Lower Upper
117 100
119 95.4 76.8 115.2



#33
Benzene
Concen: 4.826 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion: 78 Resp: 537299

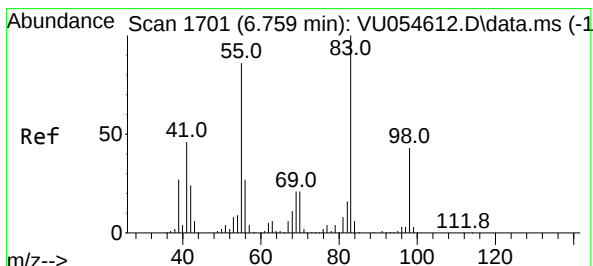
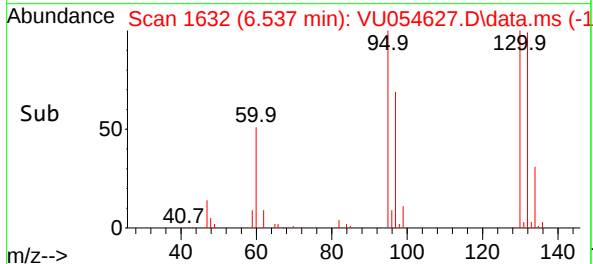
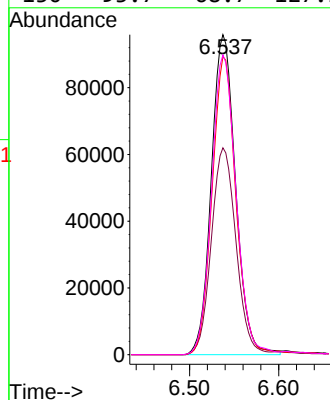
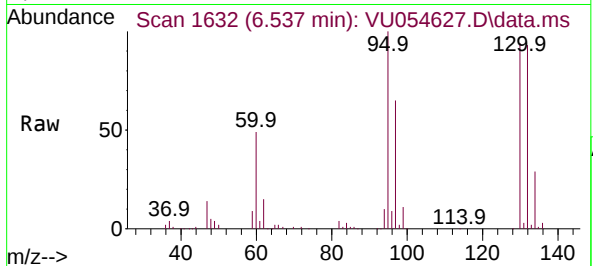




#34
Trichloroethene
Concen: 6.164 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

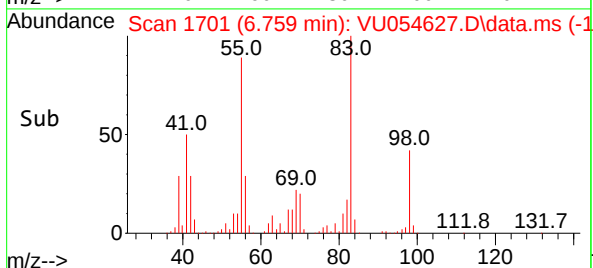
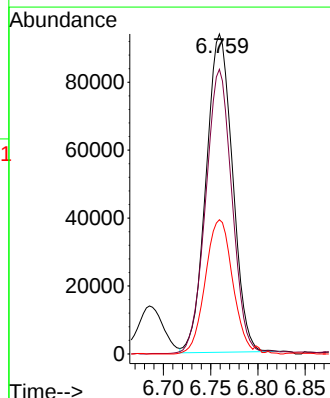
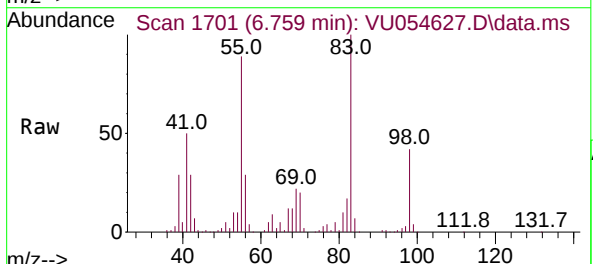
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

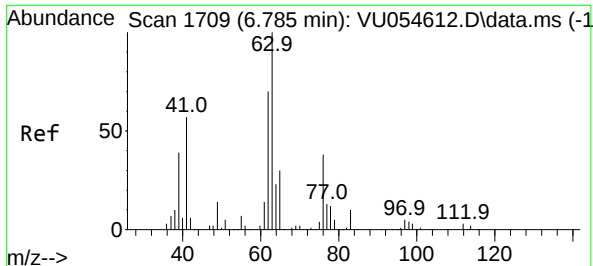
Tgt Ion: 95 Resp: 181487
Ion Ratio Lower Upper
95 100
97 64.7 46.8 87.0
132 93.2 68.4 127.0
130 93.7 68.7 127.5



#35
Methylcyclohexane
Concen: 4.104 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion: 83 Resp: 182649
Ion Ratio Lower Upper
83 100
55 89.9 67.1 100.7
98 43.9 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.922 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

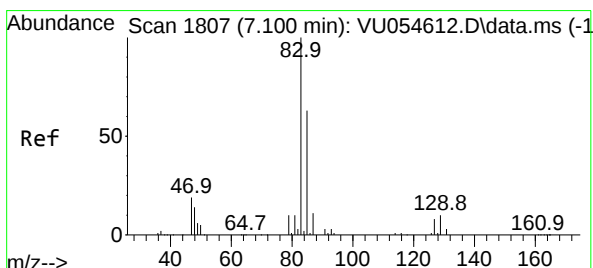
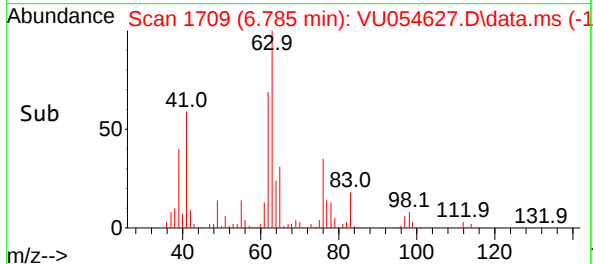
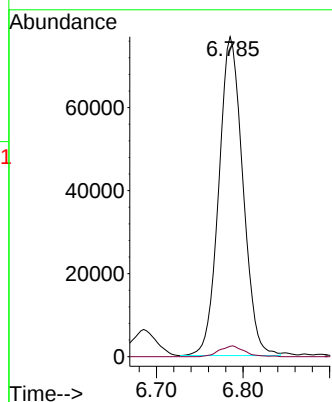
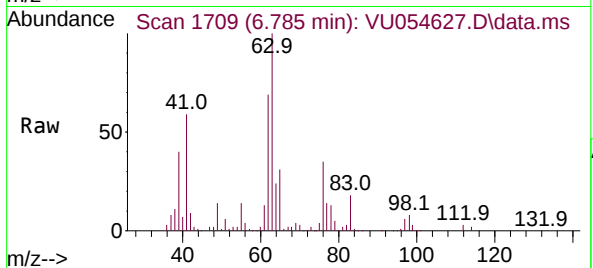
GCA37MSD

Tgt Ion: 63 Resp: 148169

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



#38

Bromodichloromethane

Concen: 4.905 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

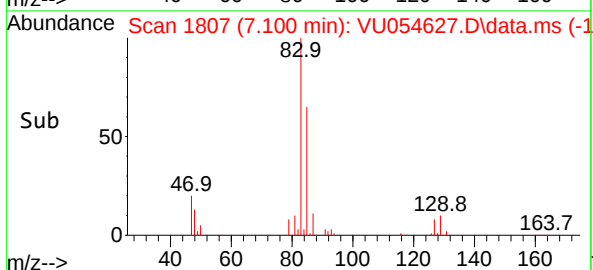
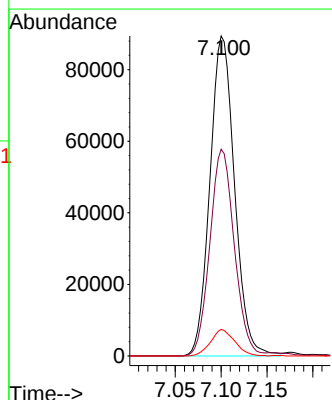
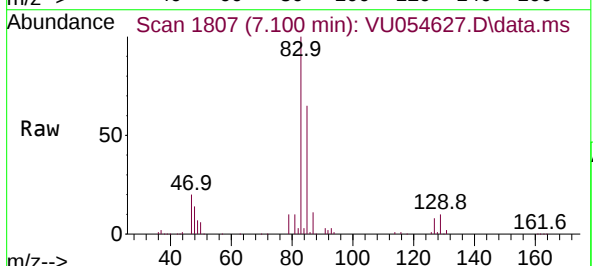
Tgt Ion: 83 Resp: 167135

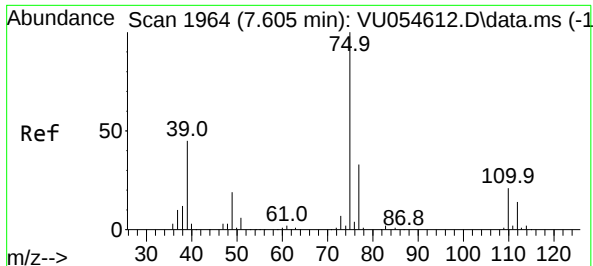
Ion Ratio Lower Upper

83 100

85 64.6 44.1 81.9

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.687 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

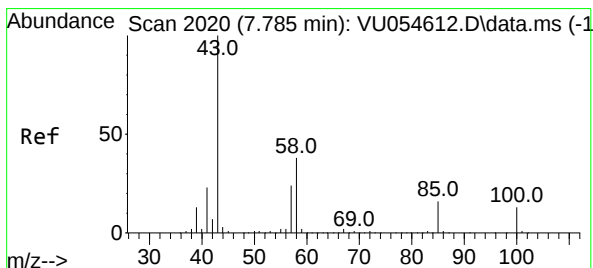
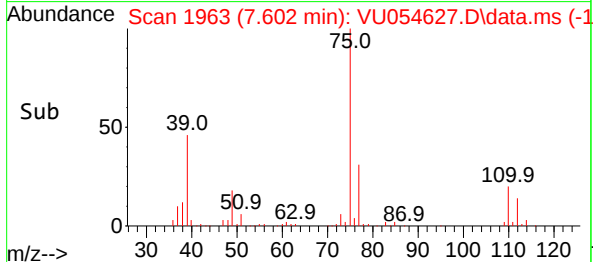
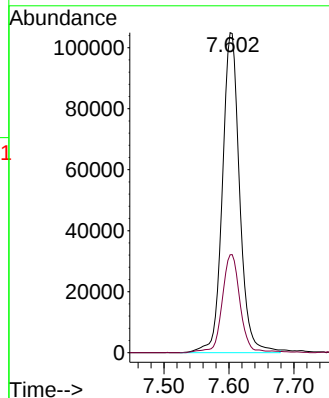
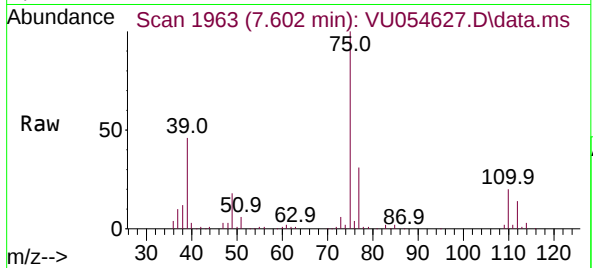
GCA37MSD

Tgt Ion: 75 Resp: 192635

Ion Ratio Lower Upper

75 100

77 30.6 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 54.334 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

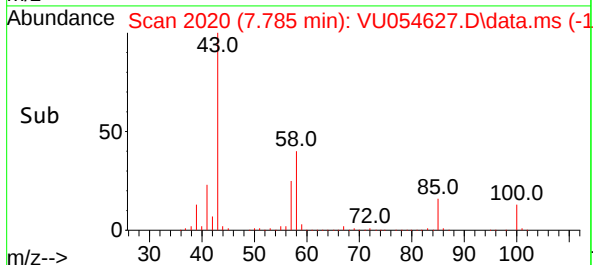
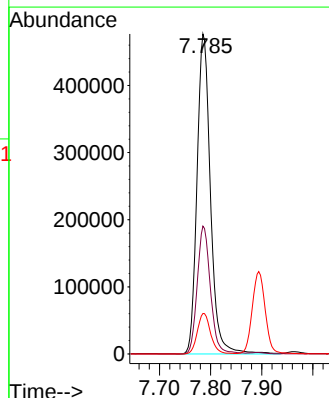
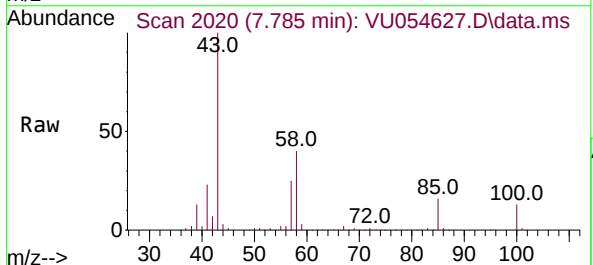
Tgt Ion: 43 Resp: 872919

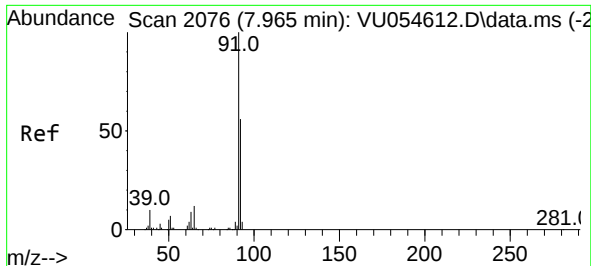
Ion Ratio Lower Upper

43 100

58 39.2 32.4 48.6

100 12.5 11.4 17.2

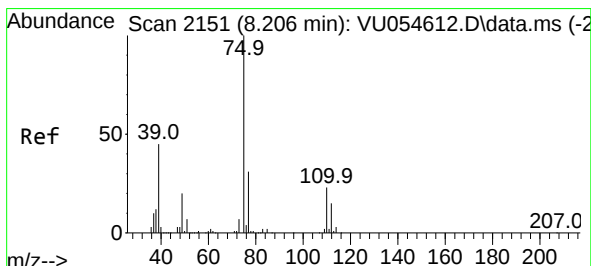
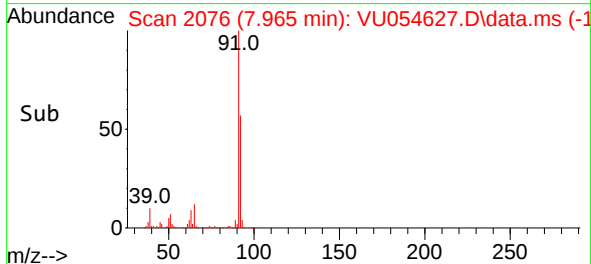
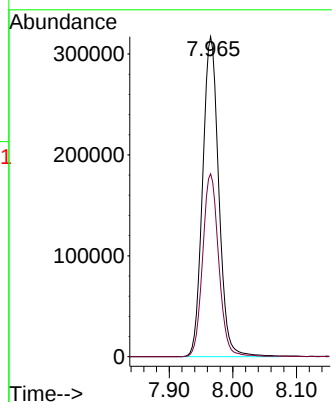
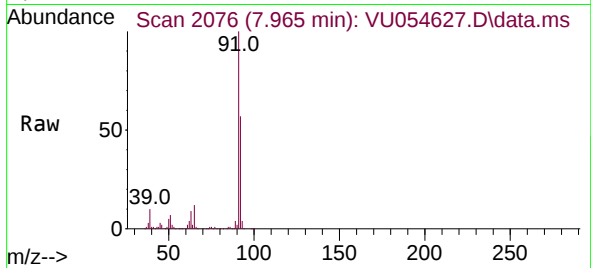




#42
Toluene
Concen: 4.879 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

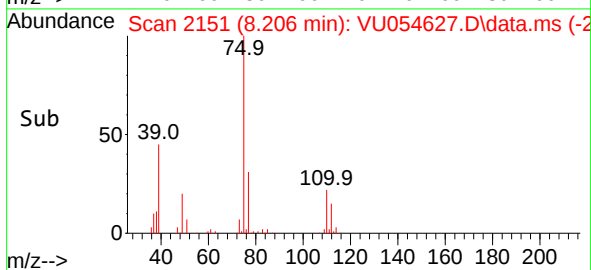
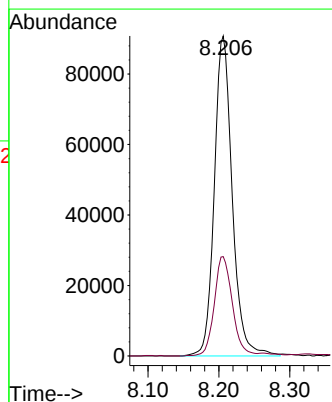
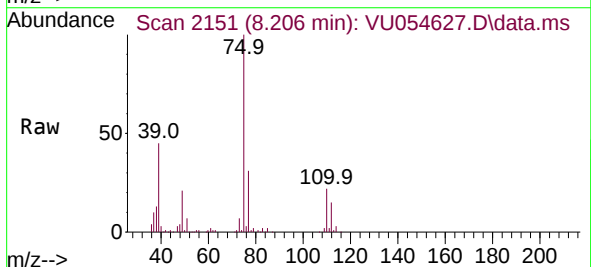
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

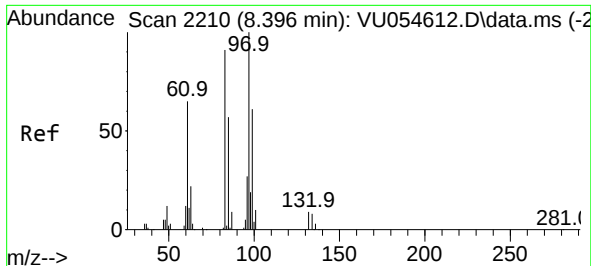
Tgt Ion: 91 Resp: 559482
Ion Ratio Lower Upper
91 100
92 57.1 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 4.786 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion: 75 Resp: 159634
Ion Ratio Lower Upper
75 100
77 31.1 21.3 39.6

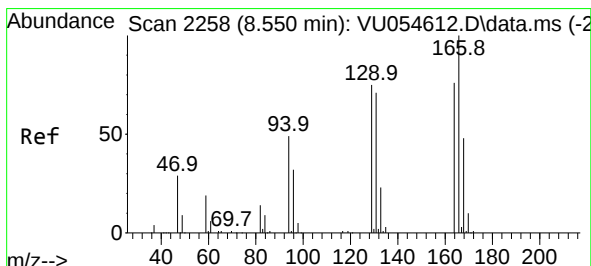
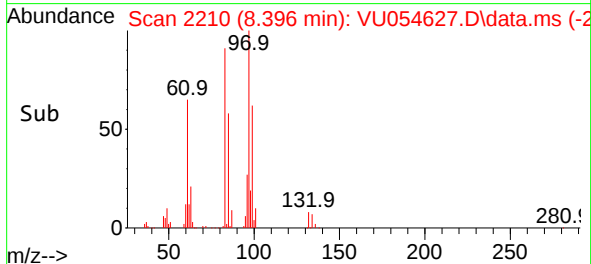
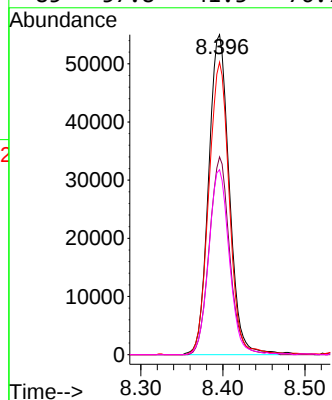
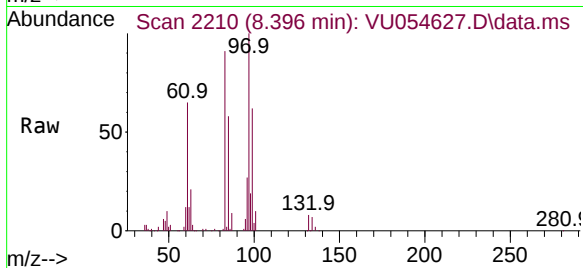




#45
1,1,2-Trichloroethane
Concen: 5.024 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

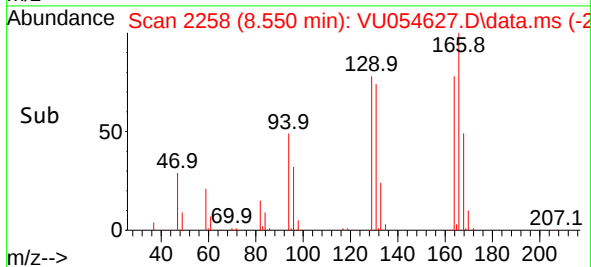
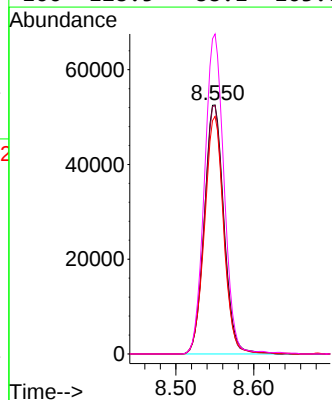
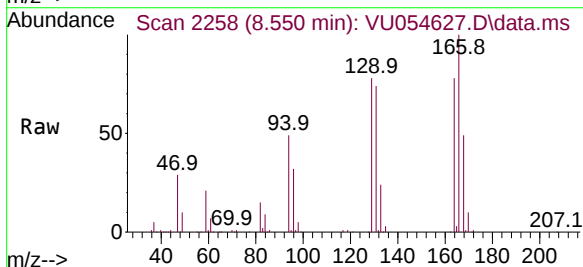
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

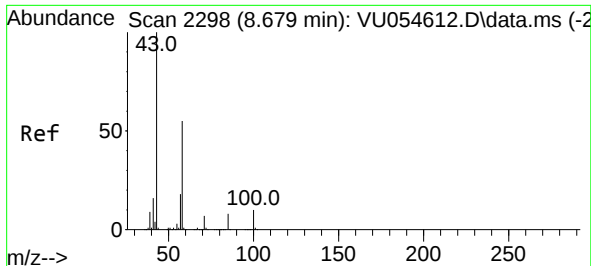
Tgt Ion: 97	Resp: 96222
Ion Ratio	Lower Upper
97 100	
99 61.8	43.0 80.0
83 91.4	63.8 118.6
85 57.8	41.3 76.7



#47
Tetrachloroethene
Concen: 4.080 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion:164	Resp: 91955
Ion Ratio	Lower Upper
164 100	
129 99.8	67.7 125.7
131 95.4	64.6 120.0
166 128.5	88.1 163.7



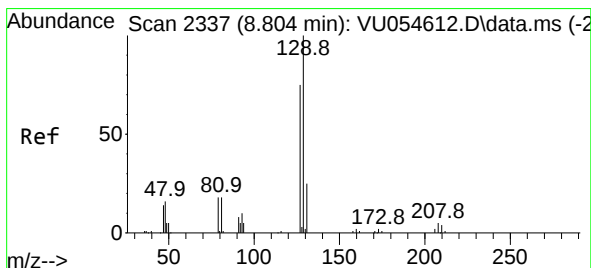
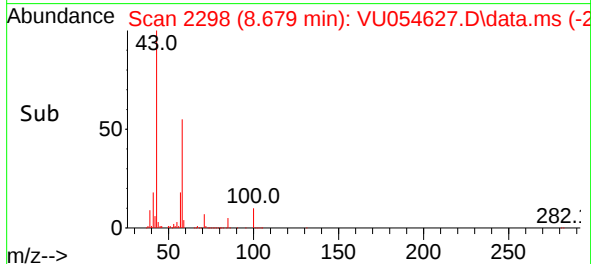
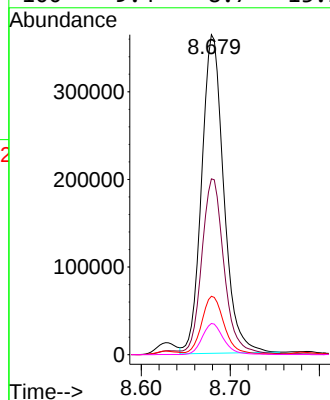
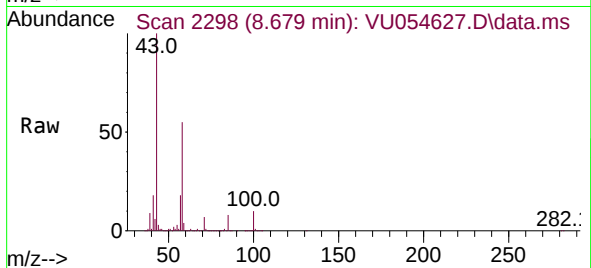


#48
2-Hexanone
Concen: 52.399 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

Tgt Ion: 43 Resp: 627254

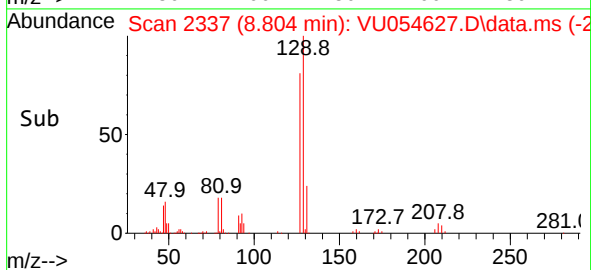
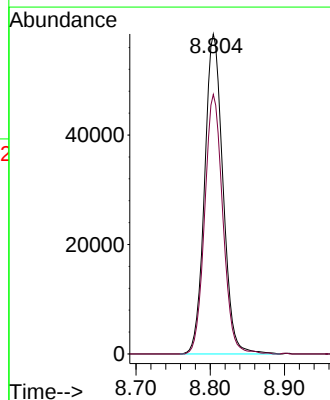
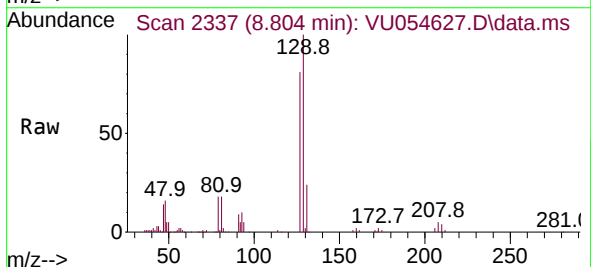
Ion	Ratio	Lower	Upper
43	100		
58	55.4	45.2	67.8
57	18.9	15.8	23.6
100	9.4	8.7	13.1

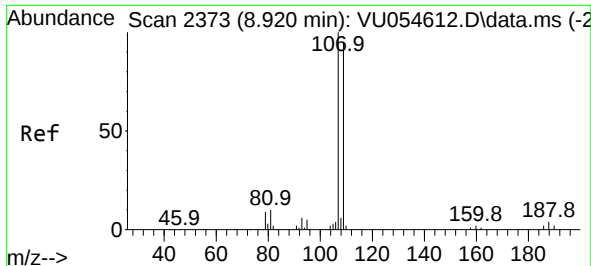


#49
Dibromochloromethane
Concen: 4.983 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion: 129 Resp: 100198

Ion	Ratio	Lower	Upper
129	100		
127	81.1	53.2	98.8





#50

1,2-Dibromoethane

Concen: 4.762 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

GCA37MSD

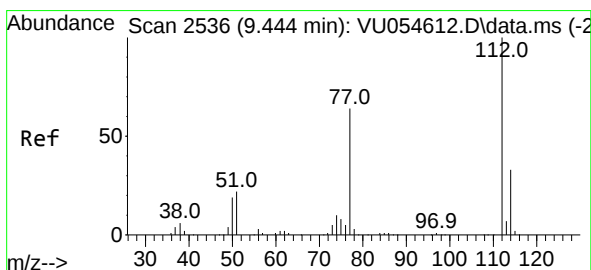
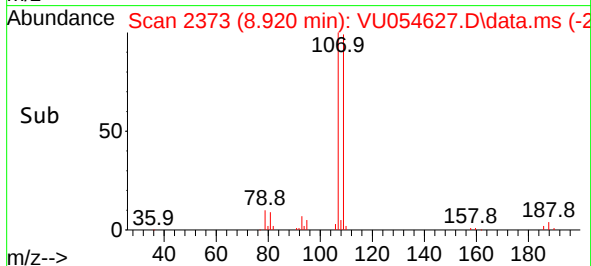
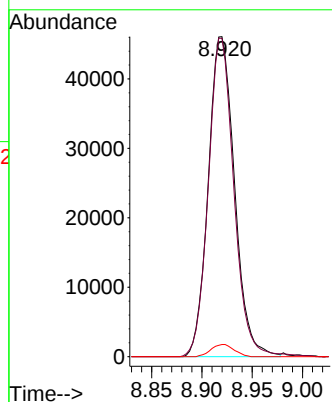
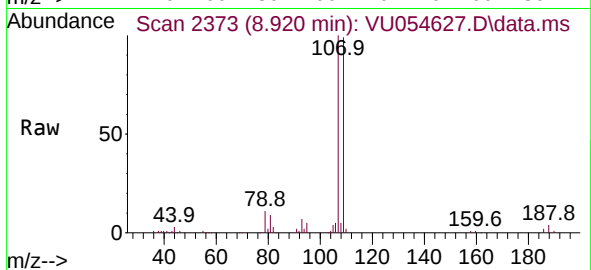
Tgt Ion:107 Resp: 83730

Ion Ratio Lower Upper

107 100

109 99.5 66.6 123.6

188 3.8 3.1 4.7



#51

Chlorobenzene

Concen: 4.526 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

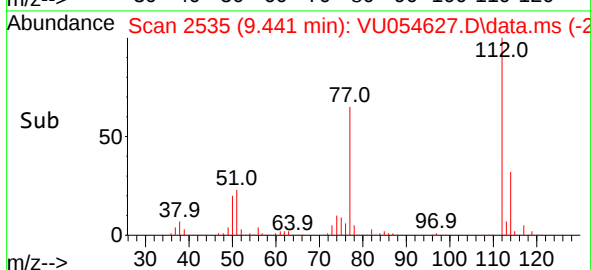
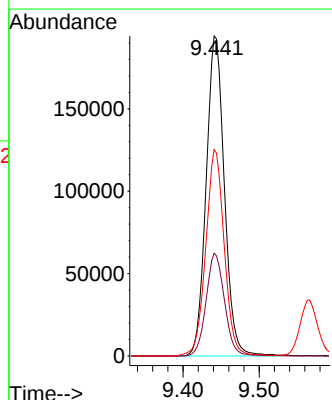
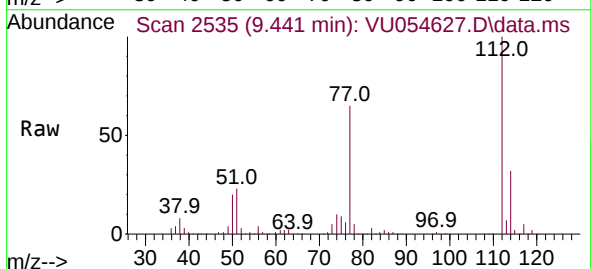
Tgt Ion:112 Resp: 323501

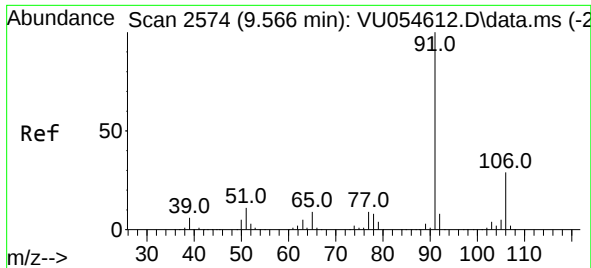
Ion Ratio Lower Upper

112 100

114 32.1 22.7 42.1

77 64.5 49.8 74.8

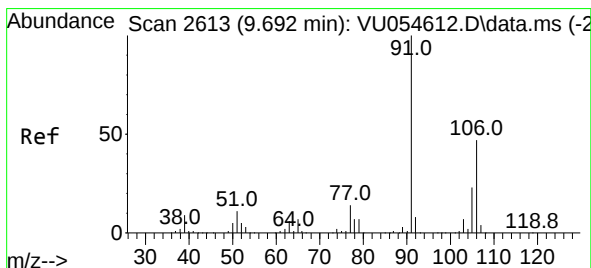
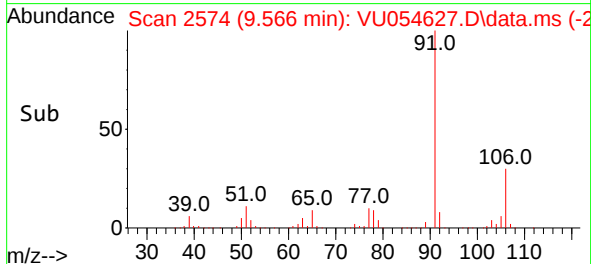
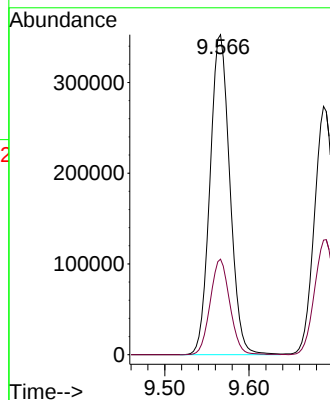
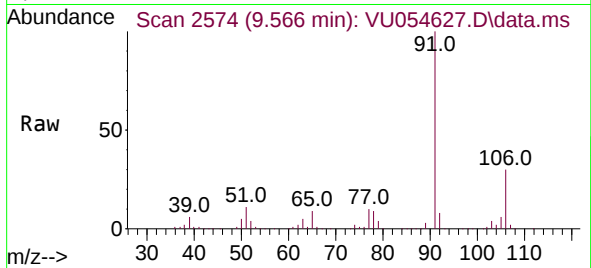




#52
Ethylbenzene
Concen: 4.610 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

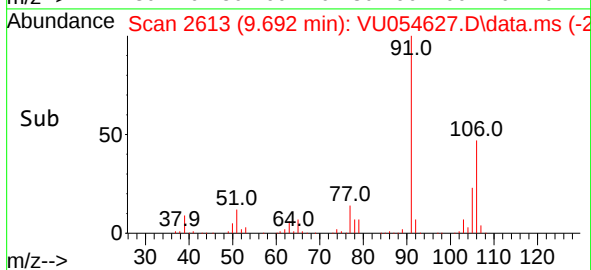
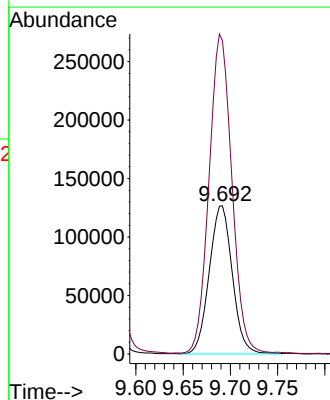
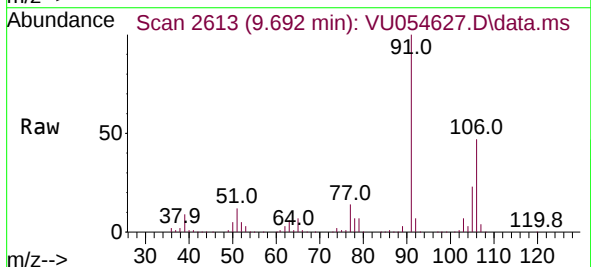
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

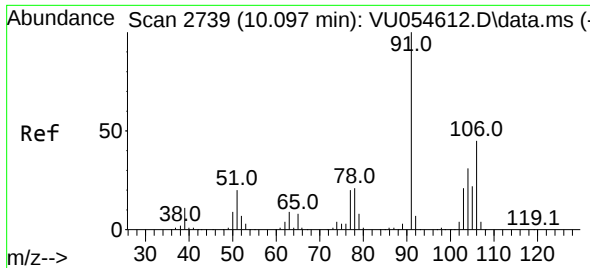
Tgt Ion: 91 Resp: 577329
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.3



#53
m,p-Xylene
Concen: 4.677 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion: 106 Resp: 215167
Ion Ratio Lower Upper
106 100
91 211.5 147.0 273.0

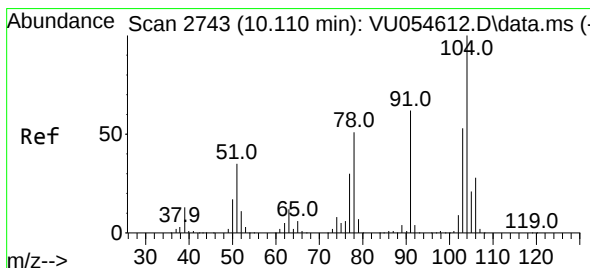
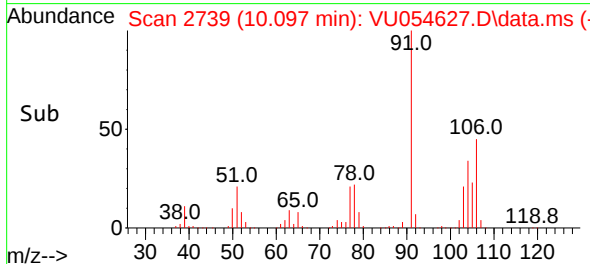
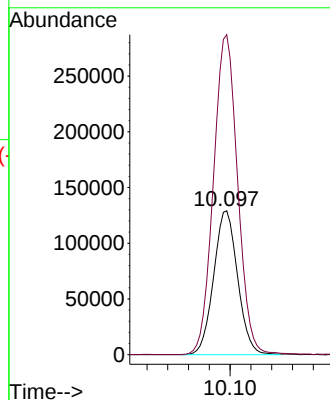
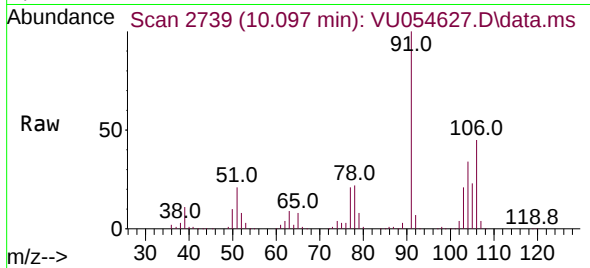




#54
o-Xylene
Concen: 4.653 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

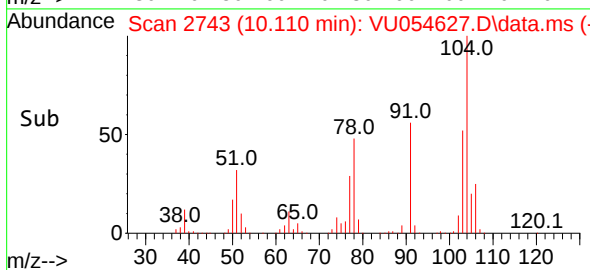
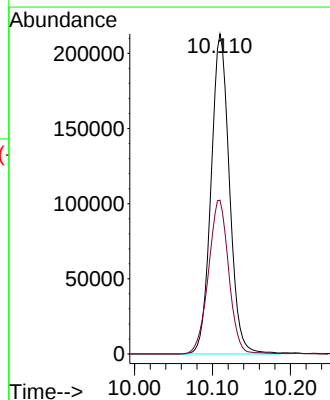
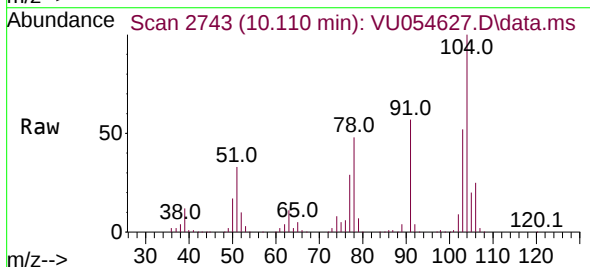
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

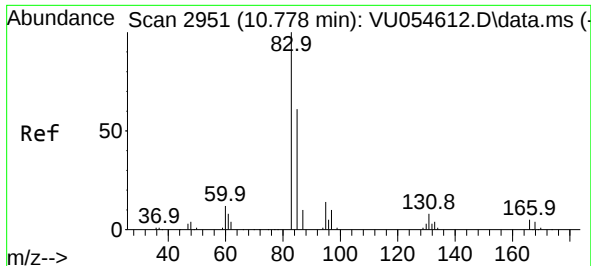
Tgt Ion:106 Resp: 207008
Ion Ratio Lower Upper
106 100
91 222.5 154.5 286.9



#55
Styrene
Concen: 4.689 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion:104 Resp: 350120
Ion Ratio Lower Upper
104 100
78 48.0 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.075 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

GCA37MSD

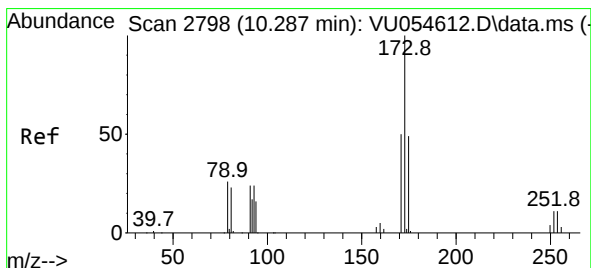
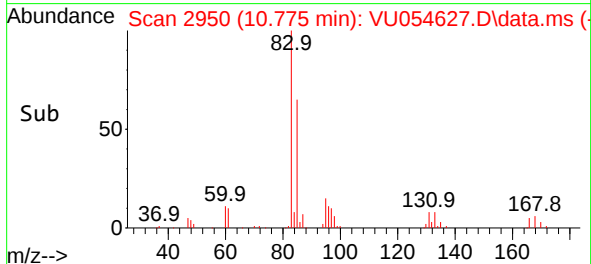
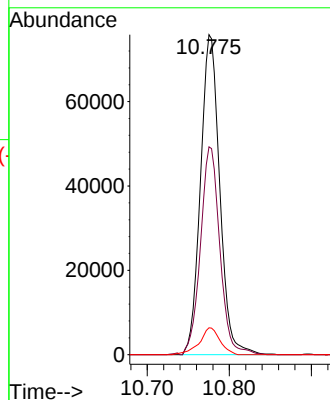
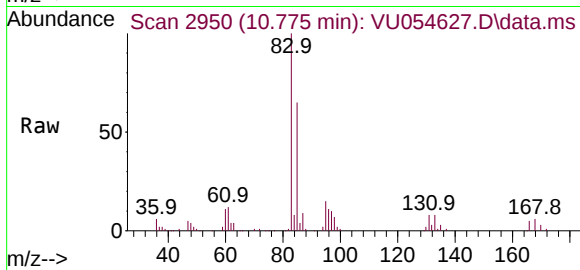
Tgt Ion: 83 Resp: 123447

Ion Ratio Lower Upper

83 100

85 64.9 44.2 82.2

131 8.4 7.0 10.6



#59

Bromoform

Concen: 5.359 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

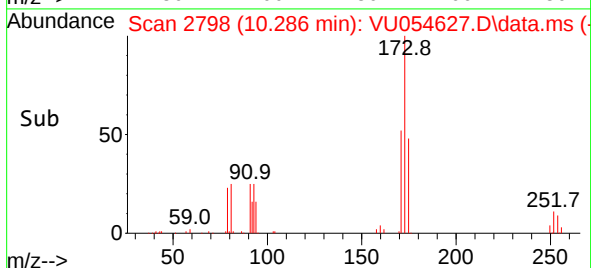
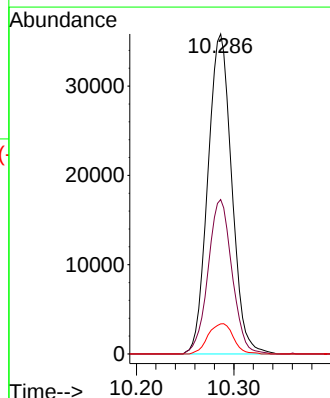
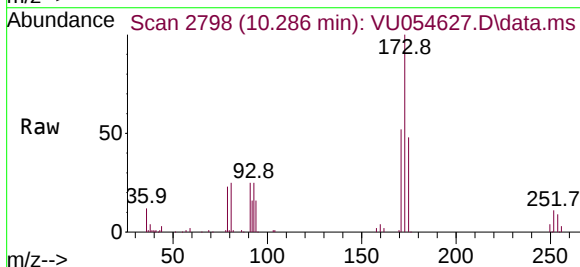
Tgt Ion:173 Resp: 60871

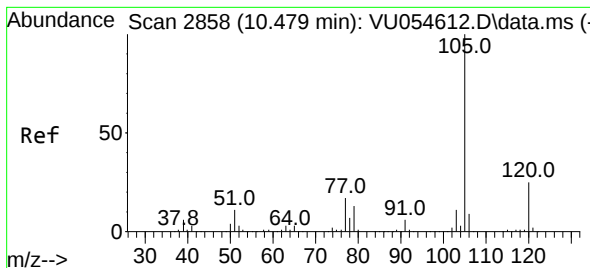
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.0

254 10.0 8.6 12.8





#60

Isopropylbenzene

Concen: 4.857 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

GCA37MSD

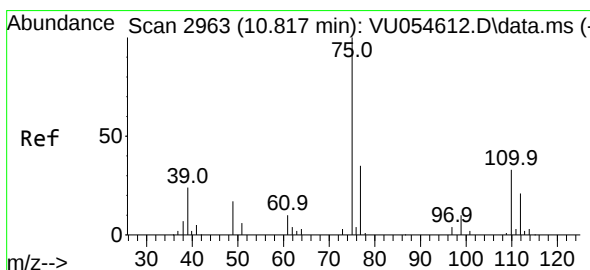
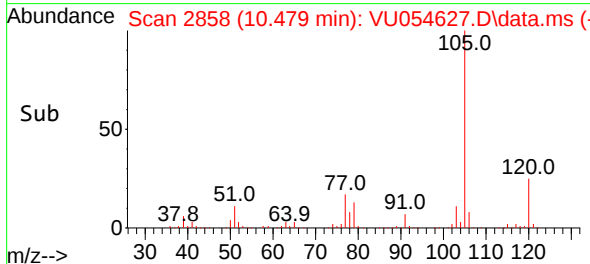
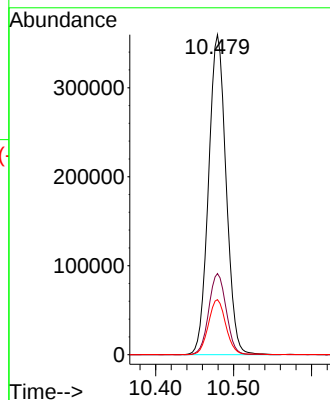
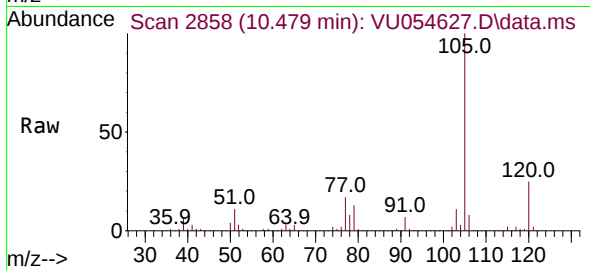
Tgt Ion:105 Resp: 562167

Ion Ratio Lower Upper

105 100

120 25.2 20.9 31.3

77 17.1 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.327 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

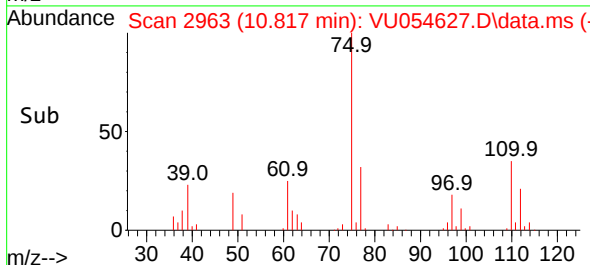
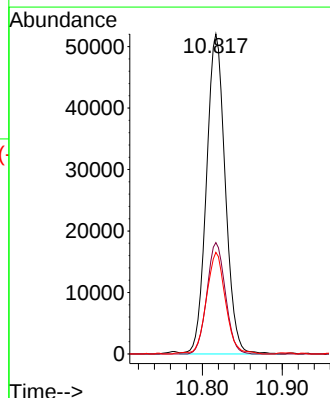
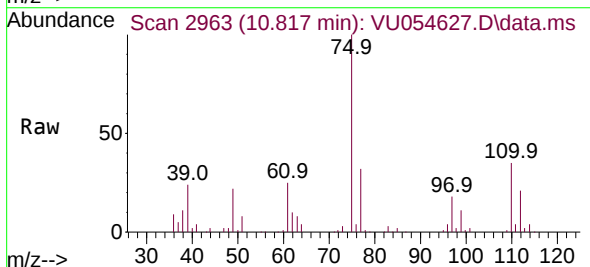
Tgt Ion: 75 Resp: 85172

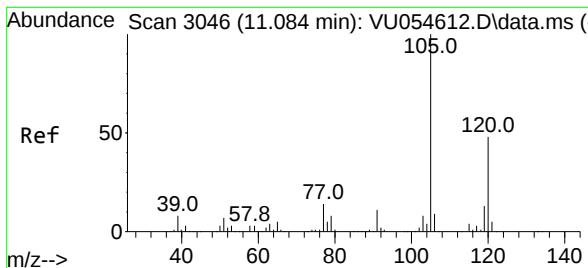
Ion Ratio Lower Upper

75 100

110 34.2 28.0 42.0

77 32.2 25.4 38.2

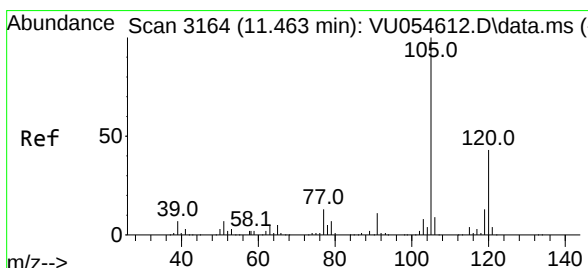
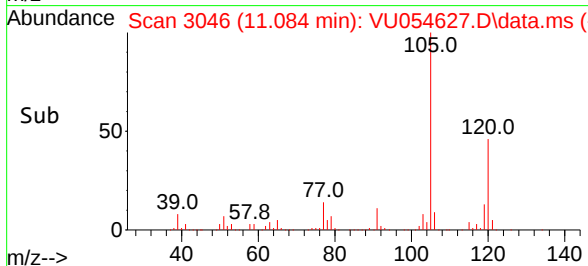
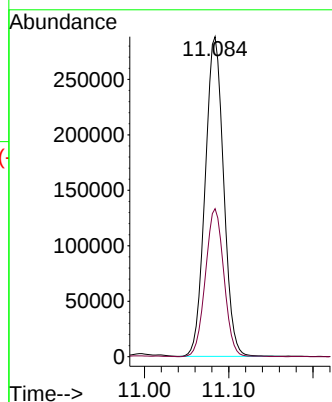
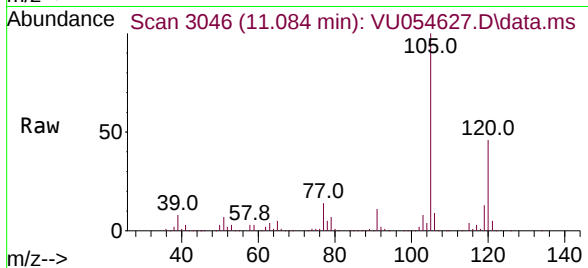




#62
1,3,5-Trimethylbenzene
Concen: 4.661 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

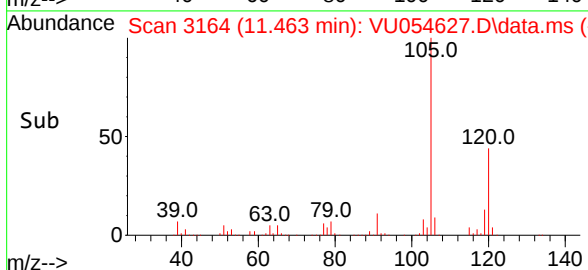
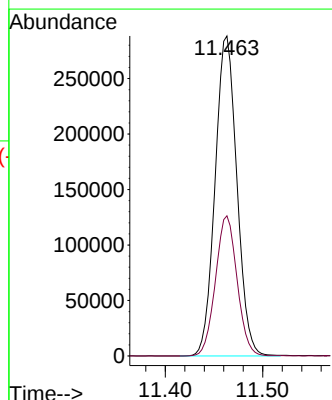
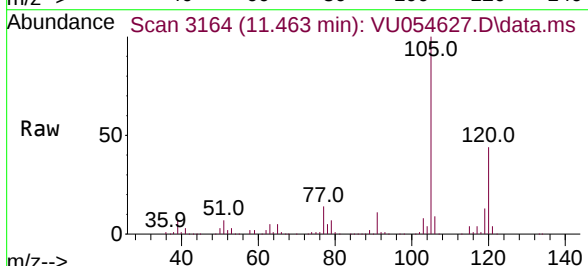
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

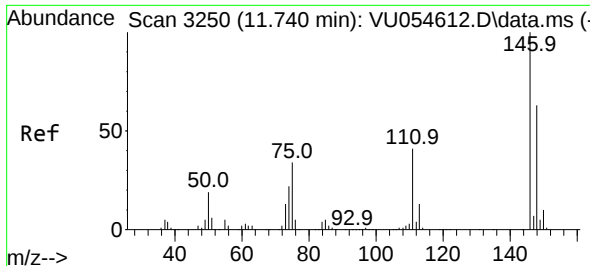
Tgt Ion:105 Resp: 440134
Ion Ratio Lower Upper
105 100
120 46.4 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 4.676 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion:105 Resp: 448486
Ion Ratio Lower Upper
105 100
120 43.4 35.4 53.0

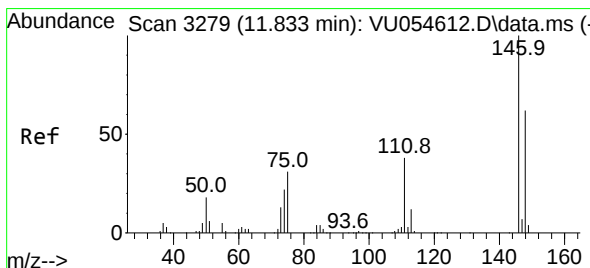
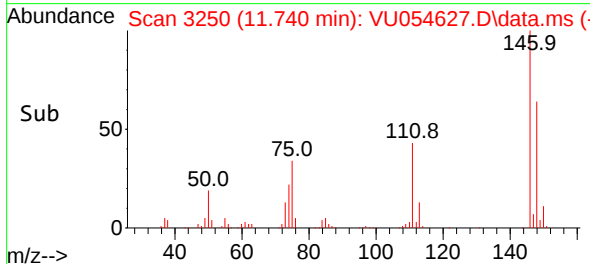
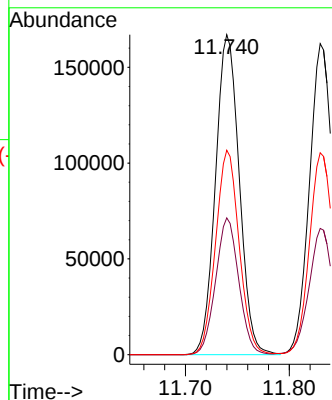
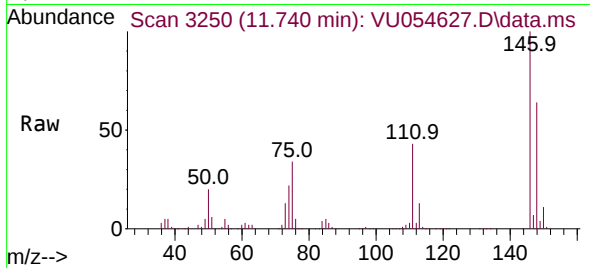




#64
1,3-Dichlorobenzene
Concen: 4.918 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

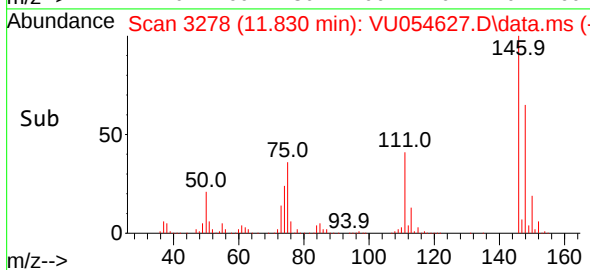
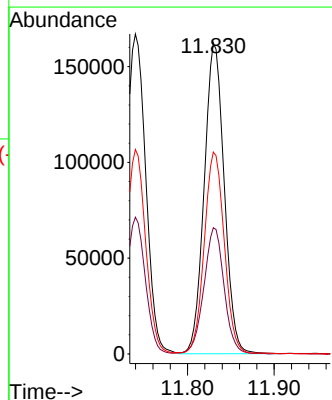
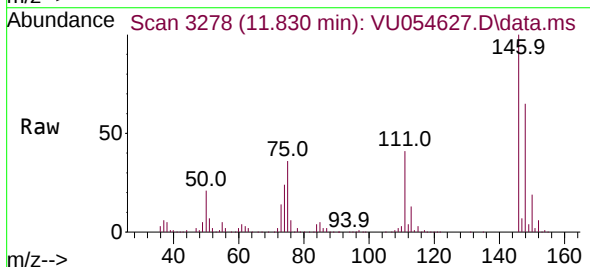
Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

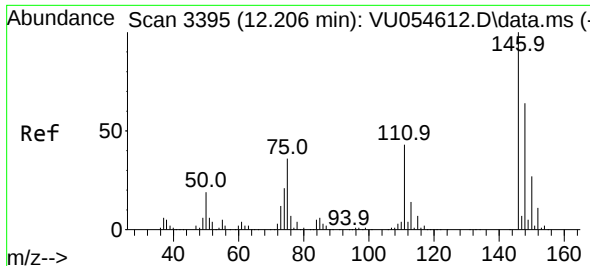
Tgt Ion:146 Resp: 266078
Ion Ratio Lower Upper
146 100
111 42.8 28.9 53.7
148 63.9 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.792 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion:146 Resp: 260177
Ion Ratio Lower Upper
146 100
111 40.6 28.0 52.0
148 64.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.845 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

GCA37MSD

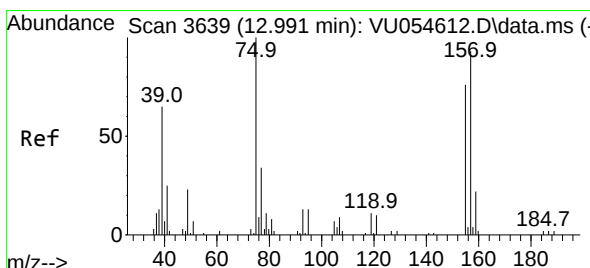
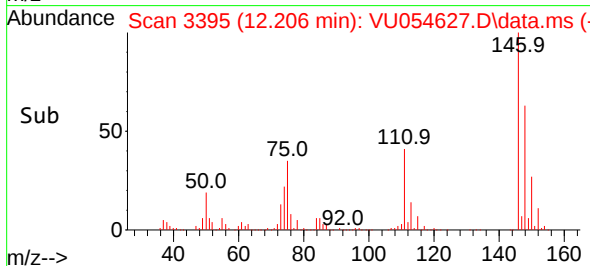
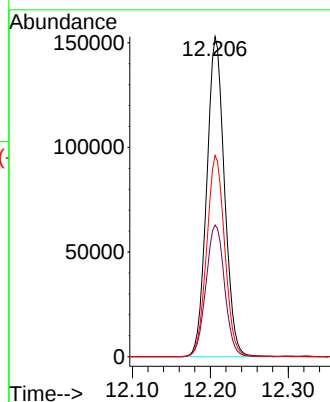
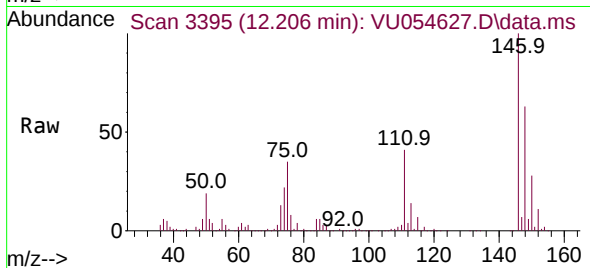
Tgt Ion:146 Resp: 241088

Ion Ratio Lower Upper

146 100

111 41.1 34.5 51.7

148 62.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.751 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

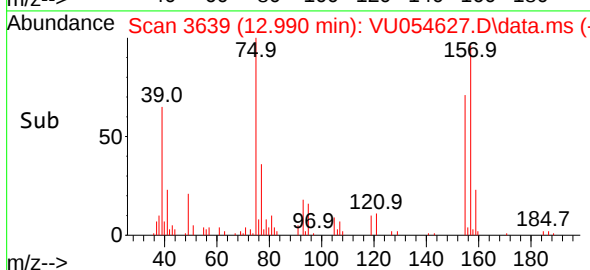
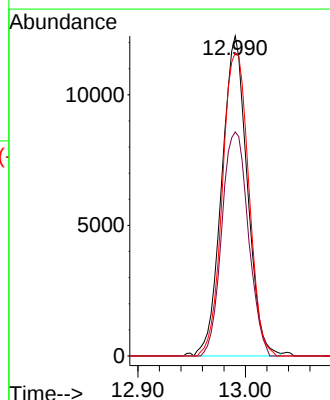
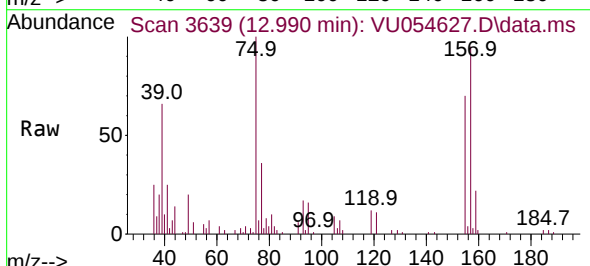
Tgt Ion: 75 Resp: 20207

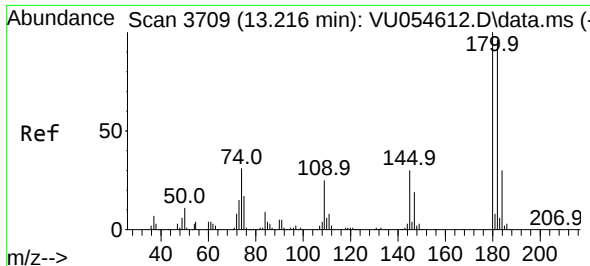
Ion Ratio Lower Upper

75 100

155 70.0 65.7 98.5

157 94.7 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 4.737 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

Instrument :

MSVOA_U

ClientSampleId :

GCA37MSD

Tgt Ion:180 Resp: 193370

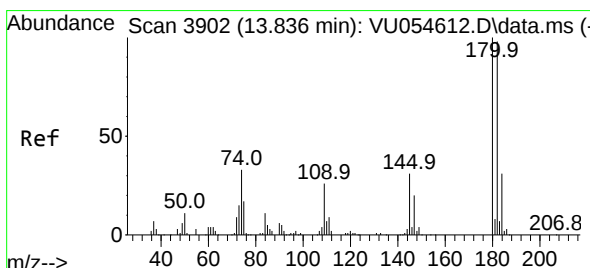
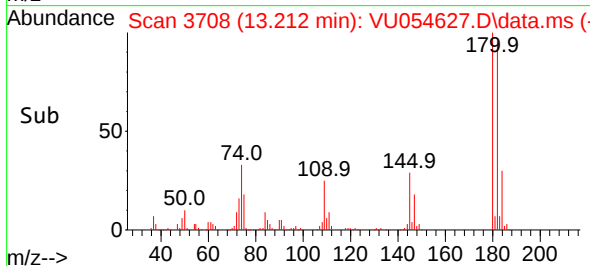
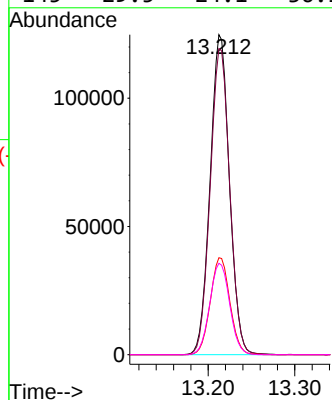
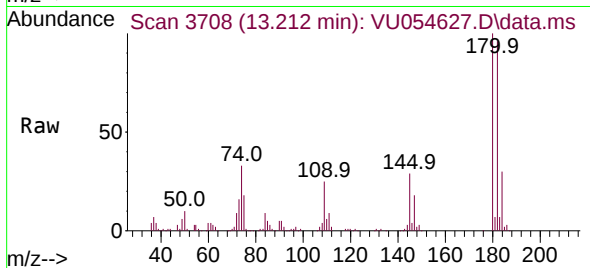
Ion Ratio Lower Upper

180 100

182 96.7 75.0 112.6

184 30.8 24.1 36.1

145 29.5 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.849 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU054627.D

Acq: 20 Jun 2023 22:01

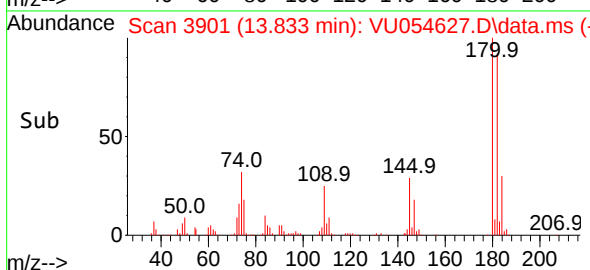
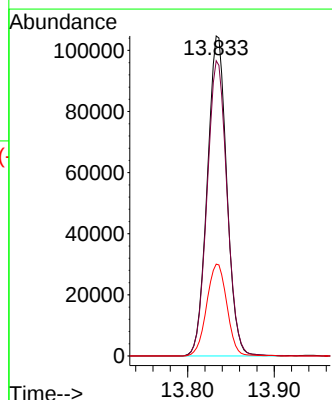
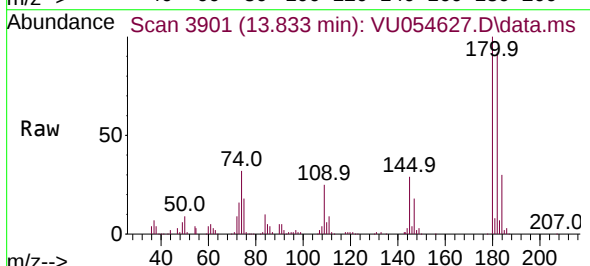
Tgt Ion:180 Resp: 163682

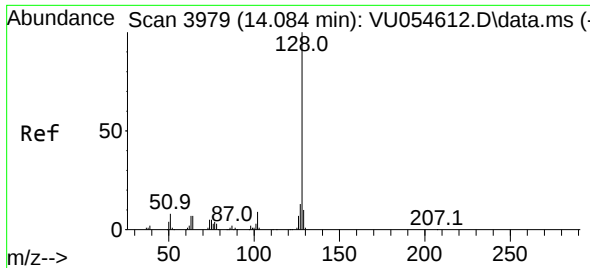
Ion Ratio Lower Upper

180 100

182 94.7 76.6 114.8

145 29.7 24.0 36.0

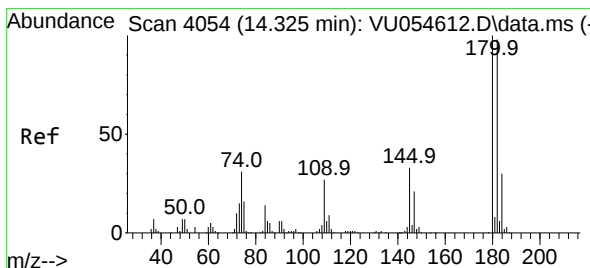
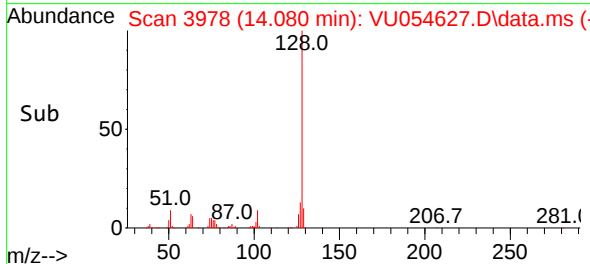
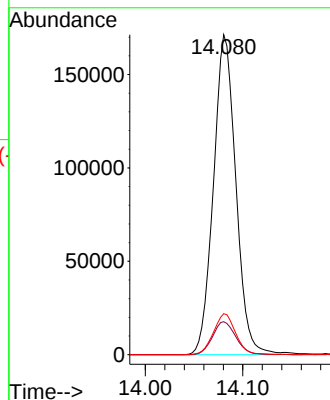
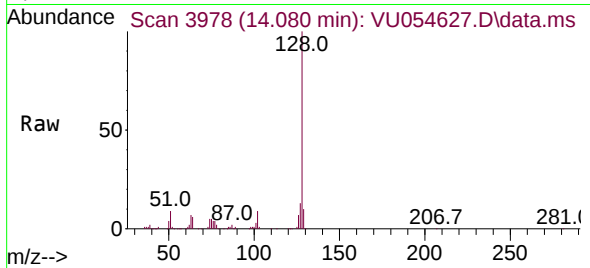




#71
Naphthalene
Concen: 4.984 ug/L
RT: 14.080 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Instrument :
MSVOA_U
ClientSampleId :
GCA37MSD

Tgt Ion:128 Resp: 273571
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 12.8 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.041 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU054627.D
Acq: 20 Jun 2023 22:01

Tgt Ion:180 Resp: 146190
Ion Ratio Lower Upper
180 100
182 95.4 75.4 113.2
145 32.0 26.0 39.0

