

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031924\
 Data File : VU058170.D
 Acq On : 19 Mar 2024 23:02
 Operator : MD/SY
 Sample : P1796-06MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCFZ1MSD

Quant Time: Mar 20 05:25:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 20 05:19:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	122952	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	119238	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	57881	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	36972	4.179	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.911	69	33205	4.567	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.563	65	16636	4.346	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	4.628	46	95813	65.735	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.480%#
24) Chloroform-d	5.055	84	81327	4.861	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.695	65	39244	5.177	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.721	84	157025	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.682	67	50388	4.770	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.891	98	140795	4.472	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.174	79	15651	4.308	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.200%
46) 2-Hexanone-d5	8.627	63	79783	65.416	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.840%#
56) 1,1,2,2-Tetrachloroeth...	10.750	84	34655	5.350	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	46941	4.924	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	33540	4.502	ug/L	99
3) Chloromethane	1.518	50	41255	4.736	ug/L	96
5) Vinyl chloride	1.602	62	46415	4.954	ug/L	100
6) Bromomethane	1.856	94	22170	4.492	ug/L	96
8) Chloroethane	1.930	64	30986	5.252	ug/L	97
9) Trichlorofluoromethane	2.136	101	68790	5.154	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	45026	5.395	ug/L	99
12) 1,1-Dichloroethene	2.576	96	40010	5.393	ug/L	89
13) Acetone	2.641	43	67633	62.351	ug/L	97
14) Carbon disulfide	2.792	76	98135	4.278	ug/L	98
15) Methyl Acetate	2.952	43	14635	6.080	ug/L	97
16) Methylene chloride	3.039	84	45061	4.998	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	99091	5.648	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	40489	5.011	ug/L	96
19) 1,1-Dichloroethane	3.862	63	90646	5.623	ug/L	100
21) 2-Butanone	4.705	43	102984	60.253	ug/L	92
22) cis-1,2-Dichloroethene	4.657	96	53086	5.972	ug/L	96
23) Bromochloromethane	4.968	128	19350	5.862	ug/L	96
25) Chloroform	5.081	83	92776	5.638	ug/L	97

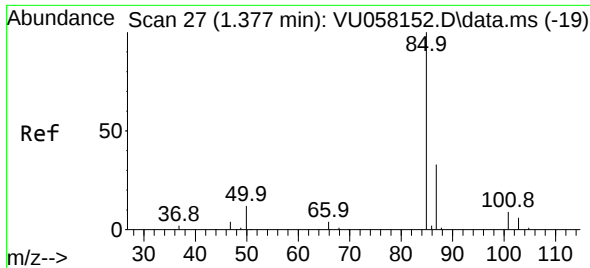
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	52357	5.747	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	74444	5.246	ug/L	100
30) Cyclohexane	5.380	56	67202	4.689	ug/L	99
31) Carbon tetrachloride	5.518	117	67081	5.439	ug/L	99
33) Benzene	5.766	78	192113	5.251	ug/L	100
34) Trichloroethene	6.534	95	66907	6.950	ug/L	98
35) Methylcyclohexane	6.756	83	69362	4.700	ug/L	99
37) 1,2-Dichloropropane	6.785	63	51889	5.500	ug/L	99
38) Bromodichloromethane	7.097	83	63637	5.559	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	68745	5.288	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	282633	65.118	ug/L	100
42) Toluene	7.962	91	209776	5.505	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	53848	5.198	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	33499	5.988	ug/L	96
47) Tetrachloroethene	8.547	164	34495	5.165	ug/L	97
48) 2-Hexanone	8.679	43	195528	61.429	ug/L	97
49) Dibromochloromethane	8.801	129	39035	5.895	ug/L	98
50) 1,2-Dibromoethane	8.917	107	29655	5.973	ug/L	100
51) Chlorobenzene	9.441	112	129202	5.407	ug/L	99
52) Ethylbenzene	9.563	91	223750	5.247	ug/L	100
53) m,p-Xylene	9.688	106	81373	5.341	ug/L	99
54) o-Xylene	10.094	106	80472	5.300	ug/L	98
55) Styrene	10.107	104	130157	5.461	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	40498	6.145	ug/L	98
59) Bromoform	10.287	173	19505	6.042	ug/L	97
60) Isopropylbenzene	10.476	105	208968	5.421	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	30401	6.412	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	172085	5.293	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	172904	5.388	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	97746	5.579	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	93283	5.439	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	88771	5.803	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	6274	6.670	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	68910	5.467	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	55562	5.867	ug/L	99
71) Naphthalene	14.081	128	81145	6.274	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	46202	6.176	ug/L	97

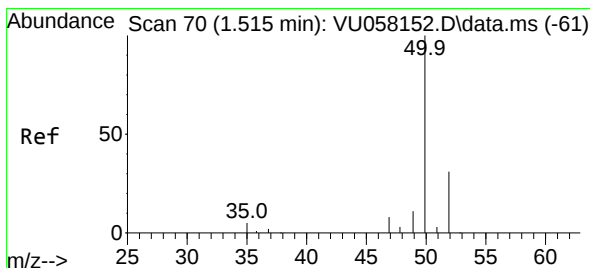
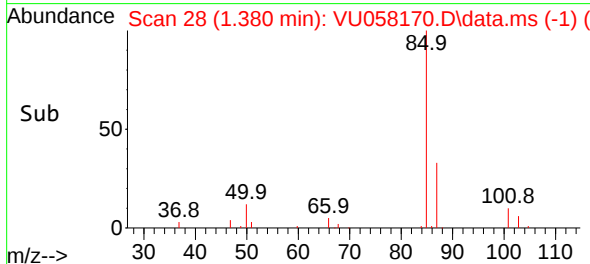
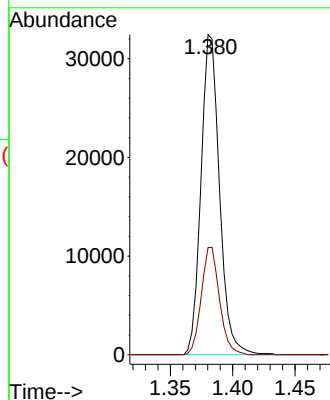
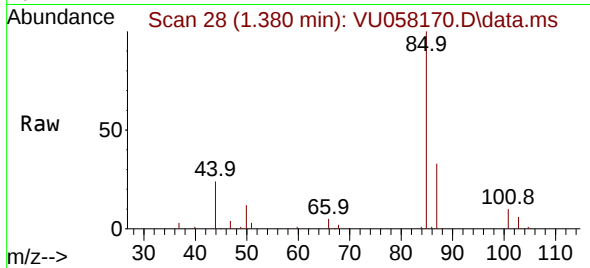
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#2
Dichlorodifluoromethane
Concen: 4.502 ug/L
RT: 1.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

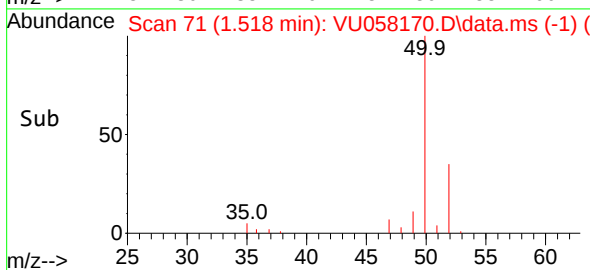
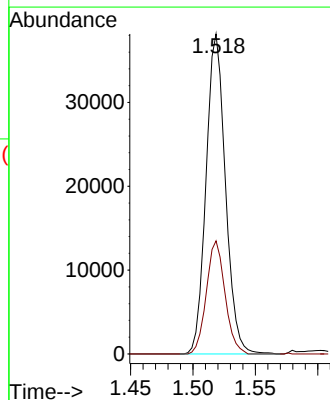
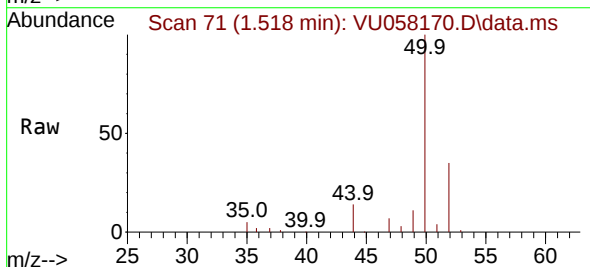
Instrument :
MSVOA_U
ClientSampleId :
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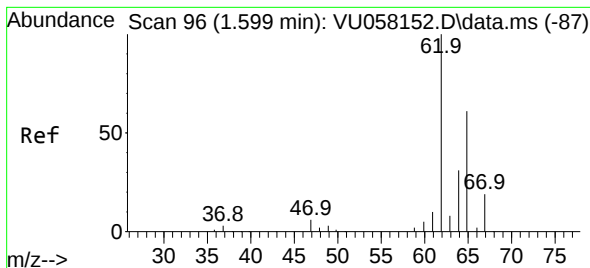
Tgt Ion: 85 Resp: 33540
Ion Ratio Lower Upper
85 100
87 32.9 25.8 38.6



#3
Chloromethane
Concen: 4.736 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 50 Resp: 41255
Ion Ratio Lower Upper
50 100
52 35.4 23.1 42.9





#5

Vinyl chloride

Concen: 4.954 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

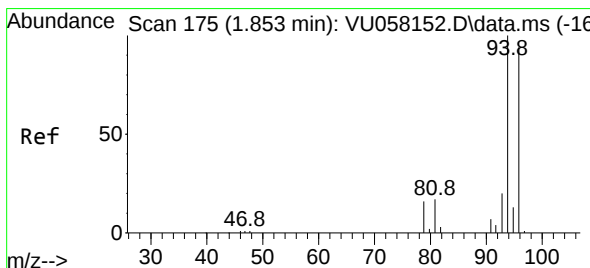
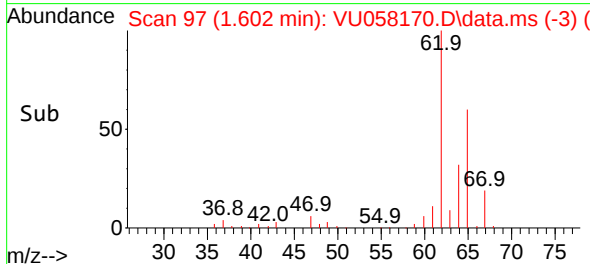
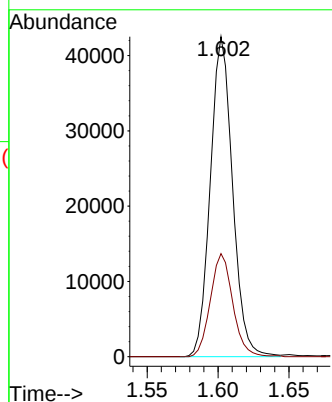
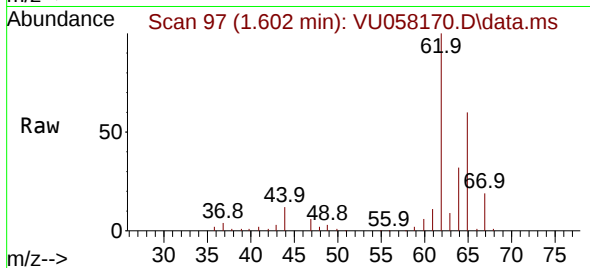
GCFZ1MSD

Tgt Ion: 62 Resp: 46415

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



#6

Bromomethane

Concen: 4.492 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.003 min

Lab File: VU058170.D

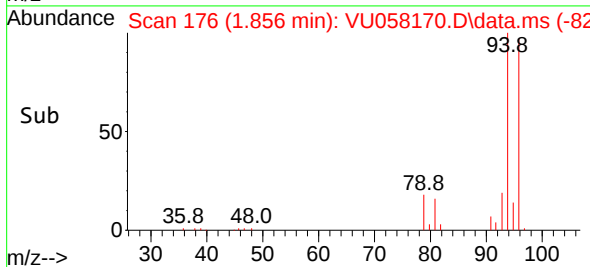
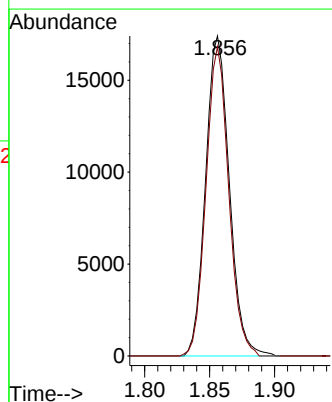
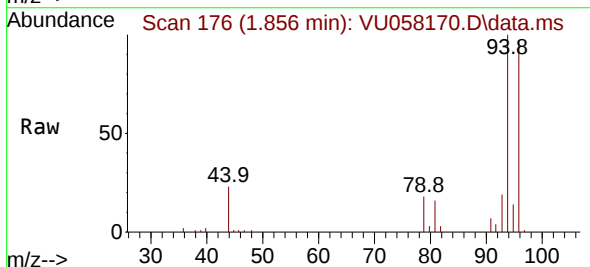
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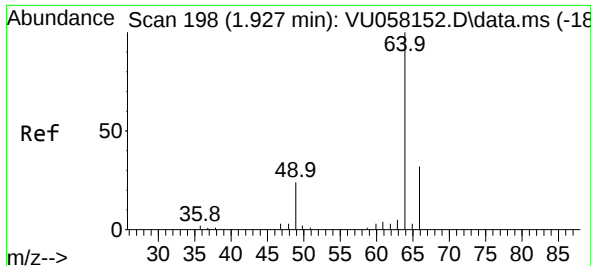
Tgt Ion: 94 Resp: 22170

Ion Ratio Lower Upper

94 100

96 96.6 65.2 121.2

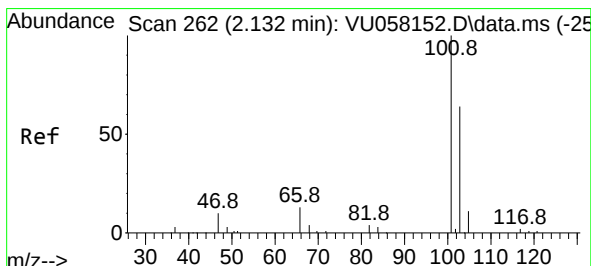
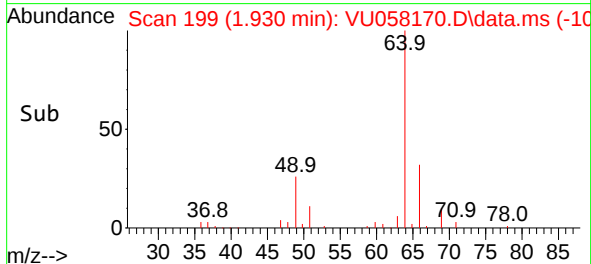
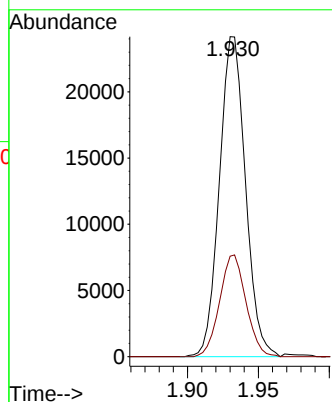
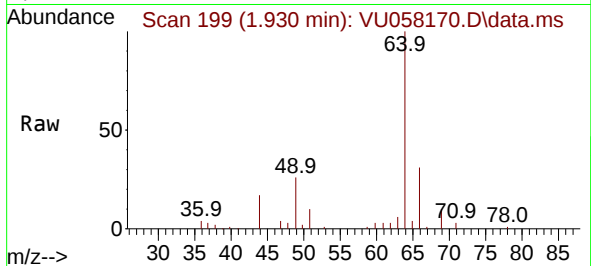




#8
Chloroethane
Concen: 5.252 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

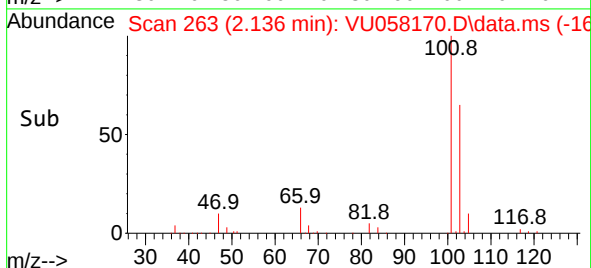
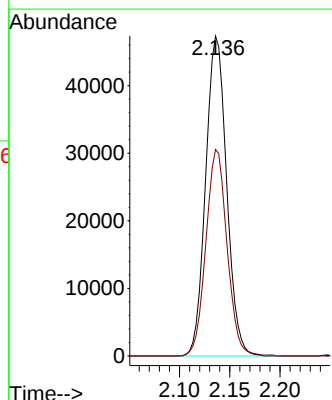
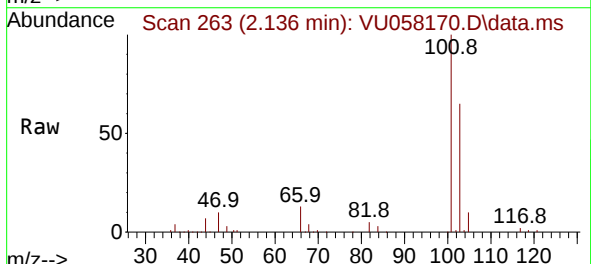
Instrument :
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ClientSampleId :
GCFZ1MSD

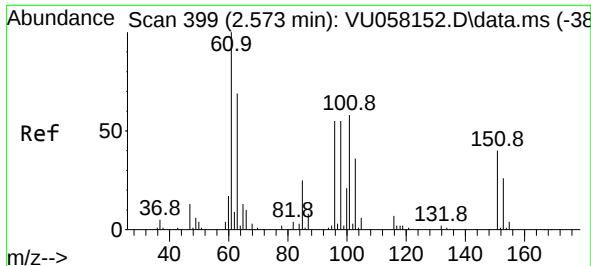
Tgt Ion: 64 Resp: 30986
Ion Ratio Lower Upper
64 100
66 31.4 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.154 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 101 Resp: 68790
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2

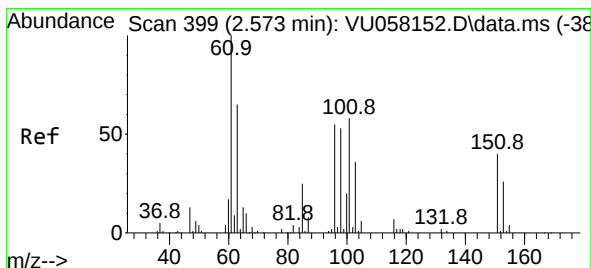
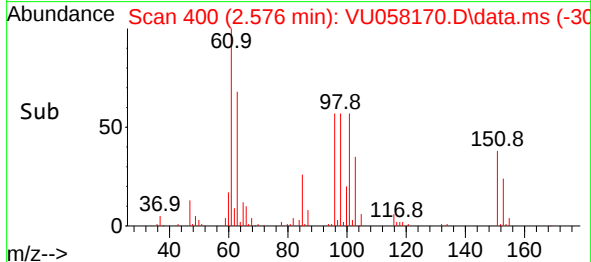
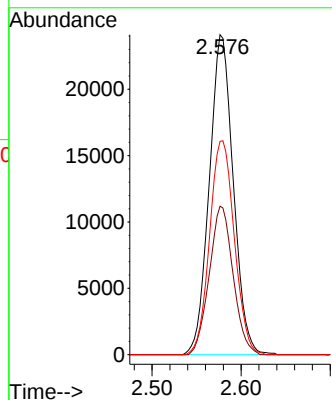
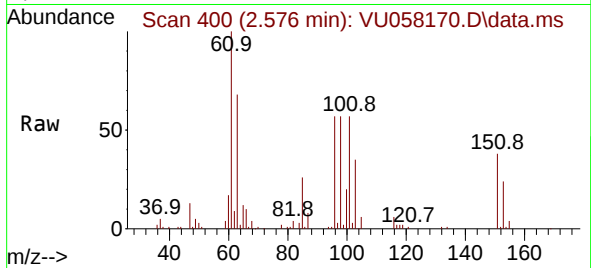




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.395 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

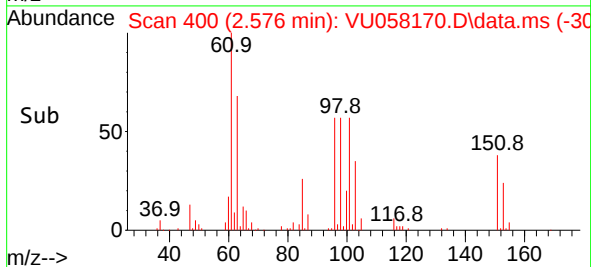
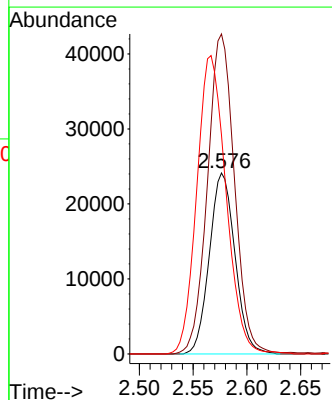
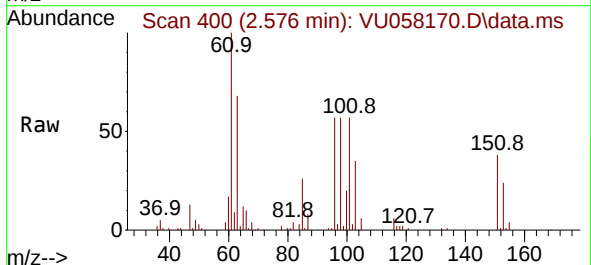
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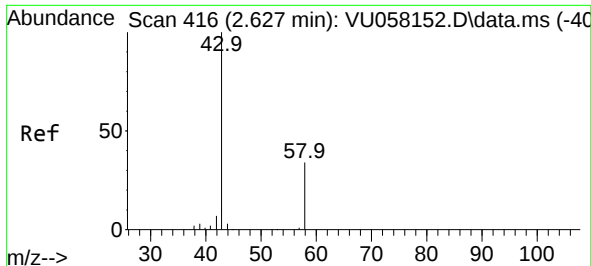
Tgt Ion:101 Resp: 45026
Ion Ratio Lower Upper
101 100
85 46.1 37.3 55.9
151 69.1 56.0 84.0



#12
1,1-Dichloroethene
Concen: 5.393 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 96 Resp: 40010
Ion Ratio Lower Upper
96 100
61 176.9 131.8 244.8
63 121.1 98.1 182.1





#13

Acetone

Concen: 62.351 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.013 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

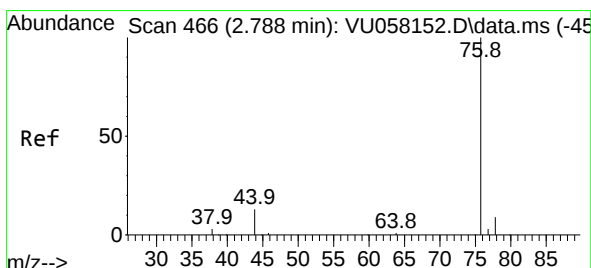
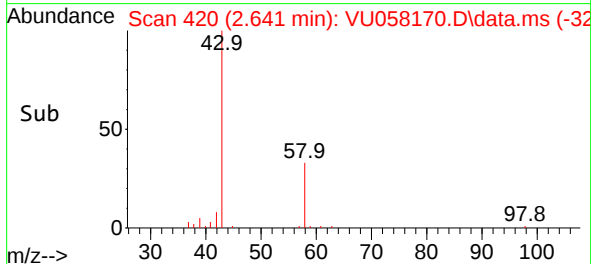
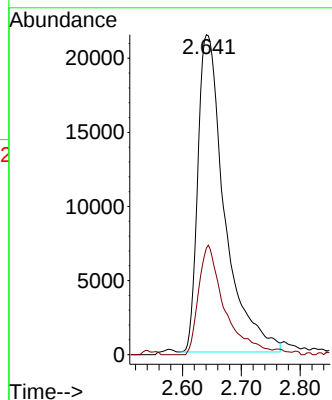
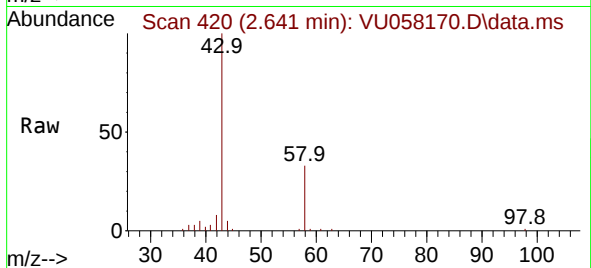
GCFZ1MSD

Tgt Ion: 43 Resp: 67633

Ion Ratio Lower Upper

43 100

58 33.5 0.0 63.6



#14

Carbon disulfide

Concen: 4.278 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU058170.D

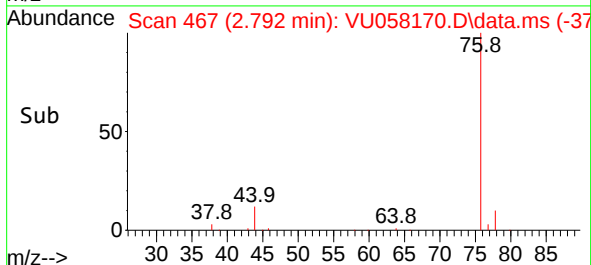
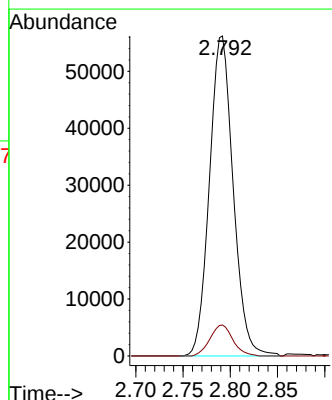
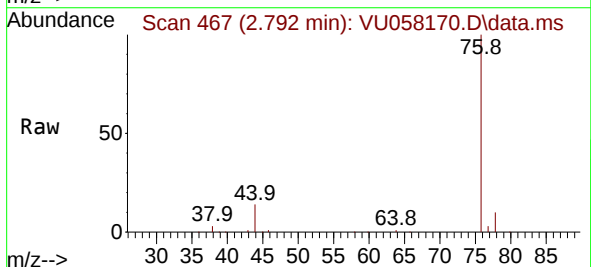
Acq: 19 Mar 2024 23:02

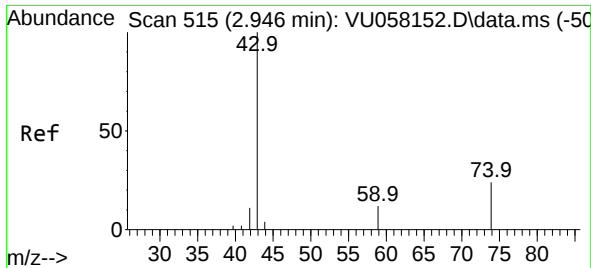
Tgt Ion: 76 Resp: 98135

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

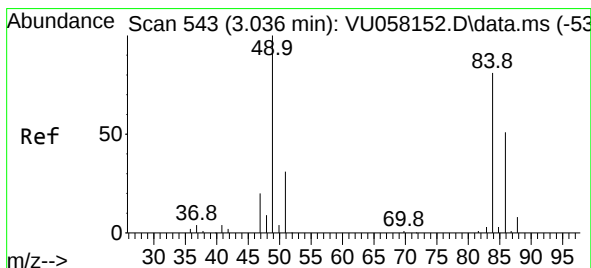
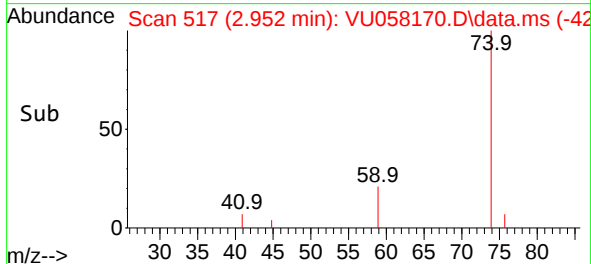
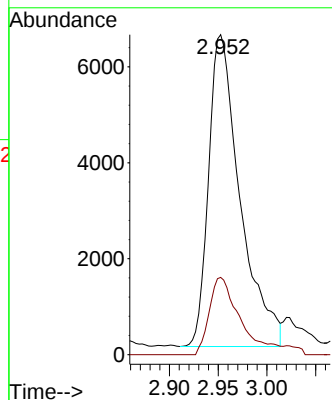
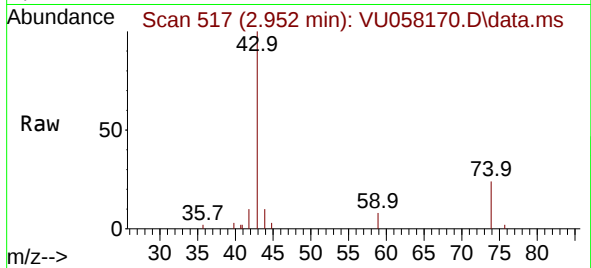




#15
Methyl Acetate
Concen: 6.080 ug/L
RT: 2.952 min Scan# 515
Delta R.T. 0.007 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

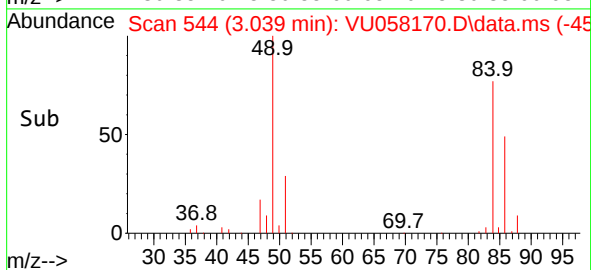
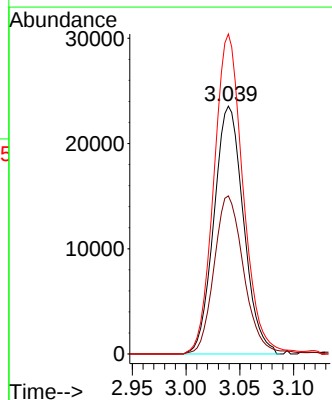
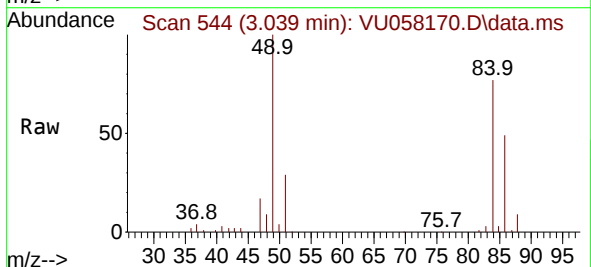
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

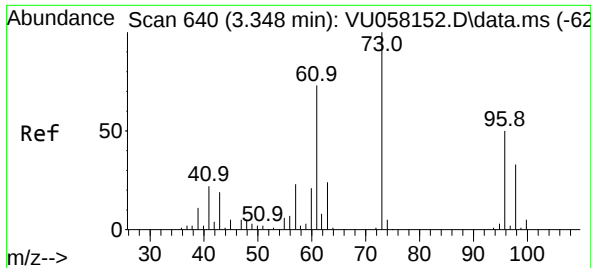
Tgt Ion: 43 Resp: 14635
Ion Ratio Lower Upper
43 100
74 24.4 20.6 31.0



#16
Methylene chloride
Concen: 4.998 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 84 Resp: 45061
Ion Ratio Lower Upper
84 100
86 63.8 44.4 82.4
49 129.1 88.8 165.0

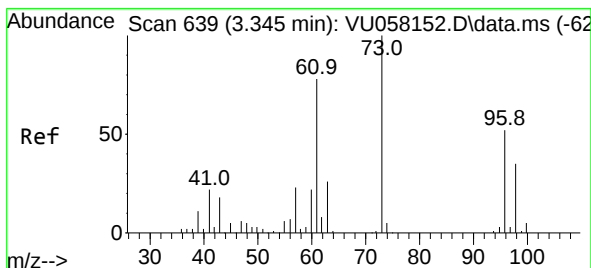
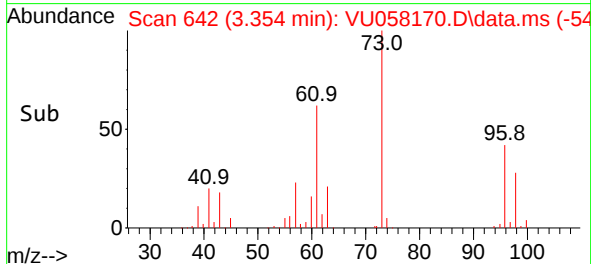
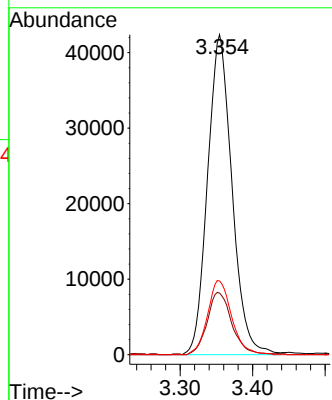
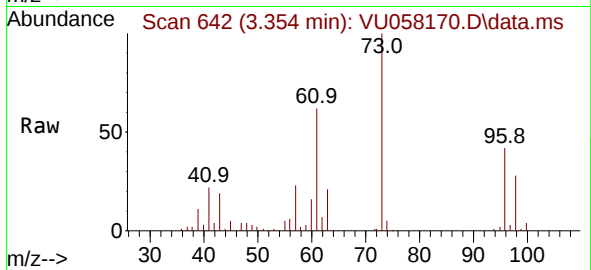




#17
Methyl tert-butyl Ether
Concen: 5.648 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.007 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

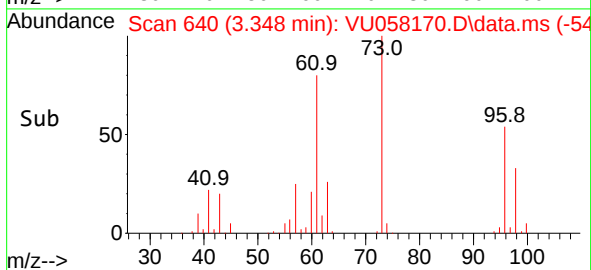
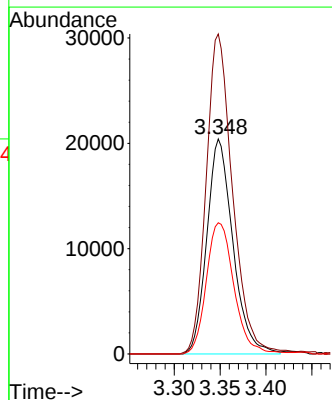
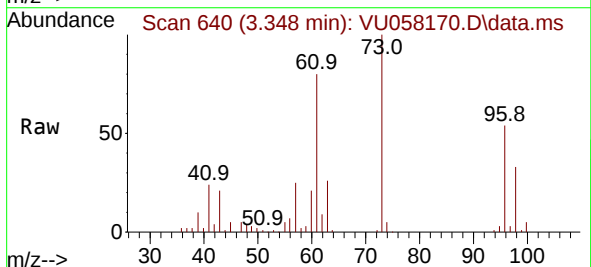
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

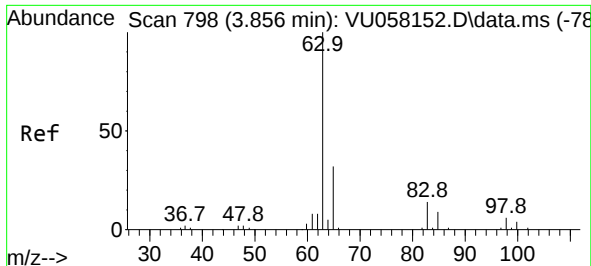
Tgt Ion: 73	Resp: 99091
Ion Ratio	Lower Upper
73 100	
43 19.6	16.2 24.4
57 22.9	17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.011 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 96	Resp: 40489
Ion Ratio	Lower Upper
96 100	
61 148.8	107.7 199.9
98 61.0	45.8 85.0





#19

1,1-Dichloroethane

Concen: 5.623 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.007 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

GCFZ1MSD

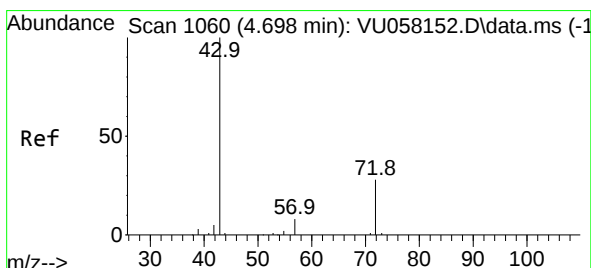
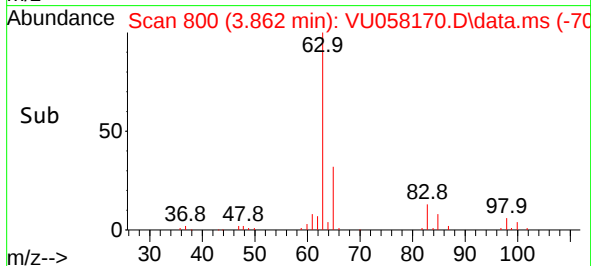
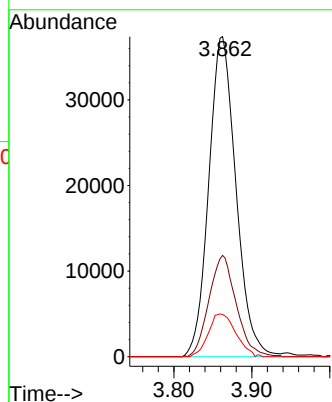
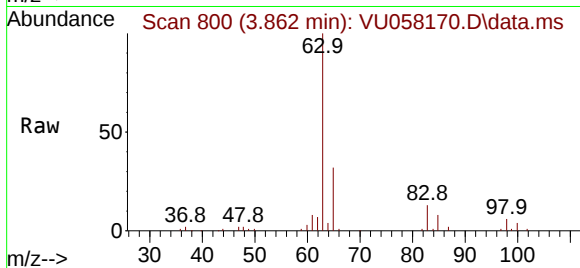
Tgt Ion: 63 Resp: 90646

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 13.2 9.0 16.6



#21

2-Butanone

Concen: 60.253 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. 0.007 min

Lab File: VU058170.D

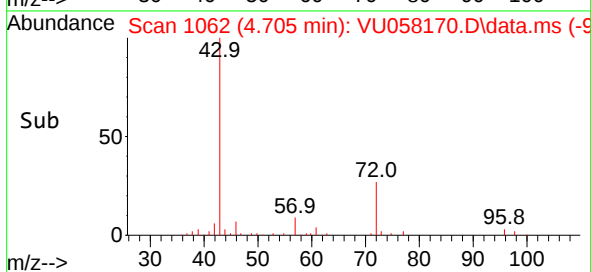
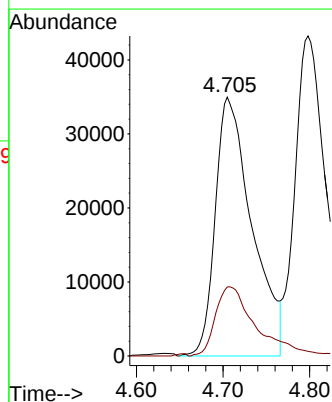
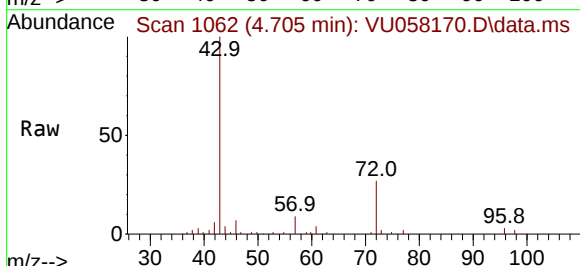
Acq: 19 Mar 2024 23:02

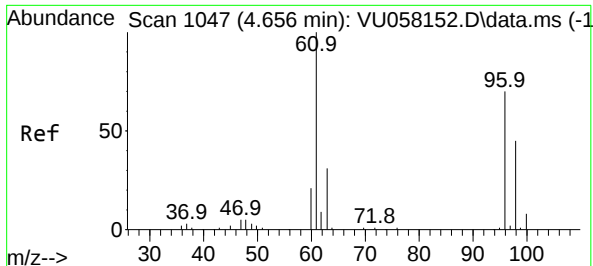
Tgt Ion: 43 Resp: 102984

Ion Ratio Lower Upper

43 100

72 30.0 13.0 39.0

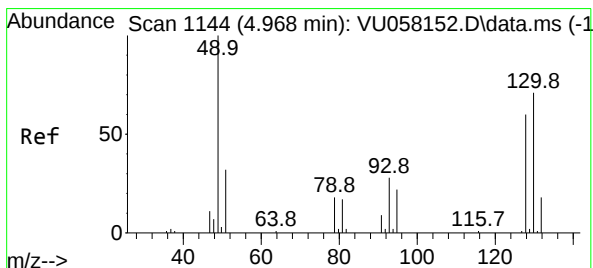
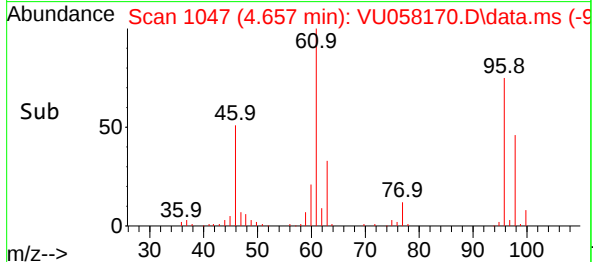
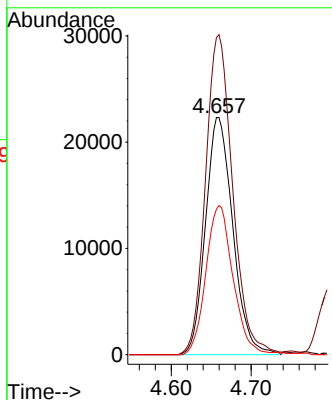
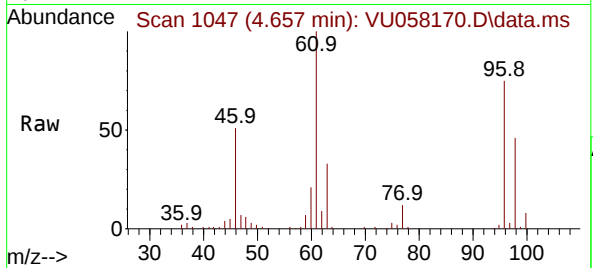




#22
cis-1,2-Dichloroethene
Concen: 5.972 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

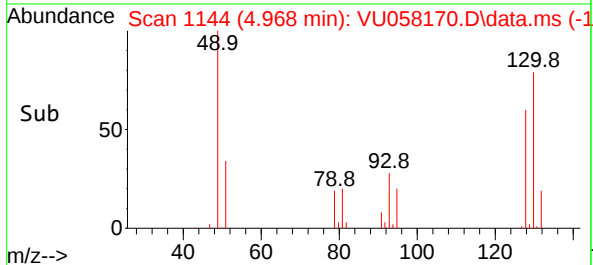
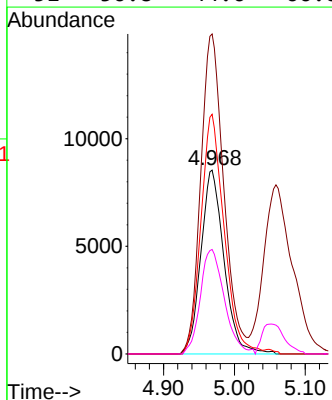
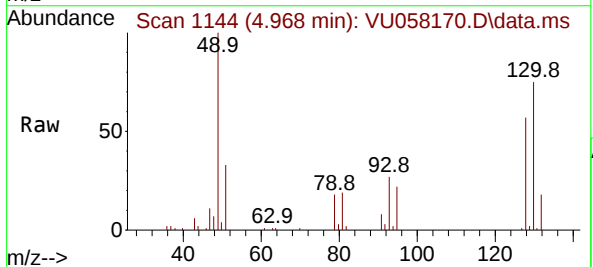
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

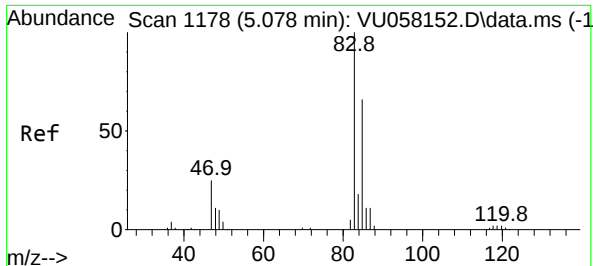
Tgt Ion: 96 Resp: 53086
Ion Ratio Lower Upper
96 100
61 133.8 97.2 180.4
98 61.3 45.5 84.5



#23
Bromochloromethane
Concen: 5.862 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 128 Resp: 19350
Ion Ratio Lower Upper
128 100
49 180.2 122.0 226.6
130 130.3 86.6 160.8
51 56.8 44.6 66.8





#25

Chloroform

Concen: 5.638 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

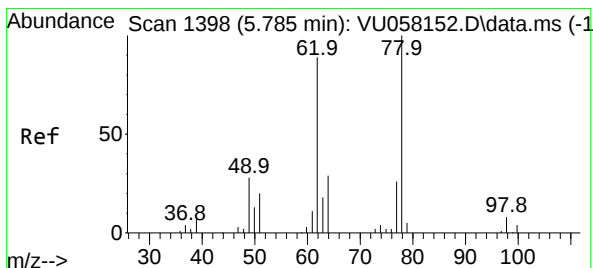
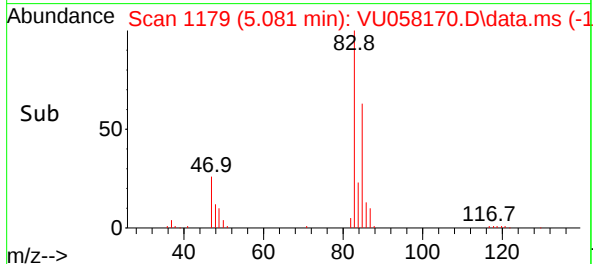
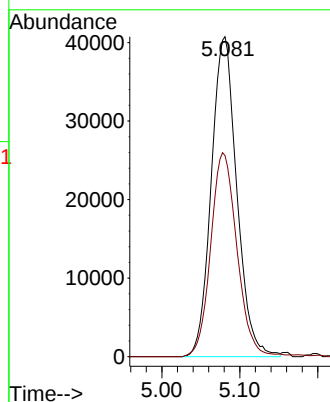
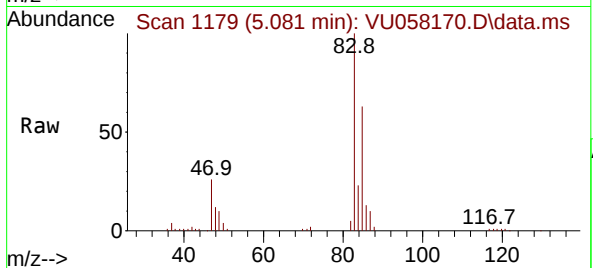
GCFZ1MSD

Tgt Ion: 83 Resp: 92776

Ion Ratio Lower Upper

83 100

85 62.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.747 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU058170.D

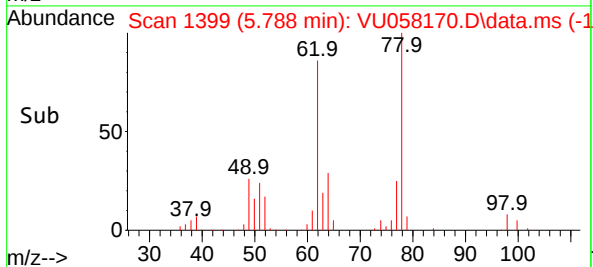
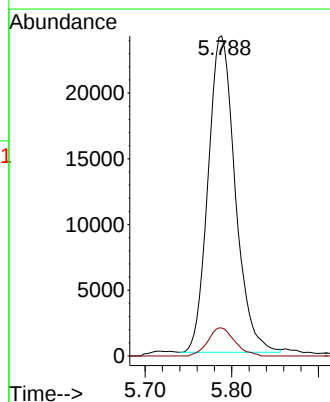
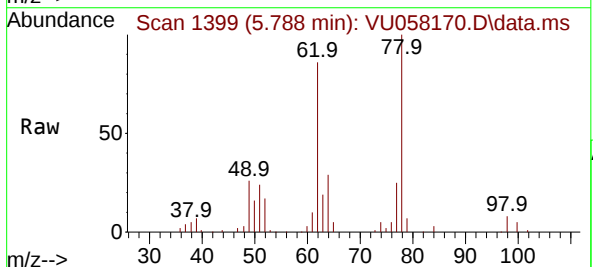
Acq: 19 Mar 2024 23:02

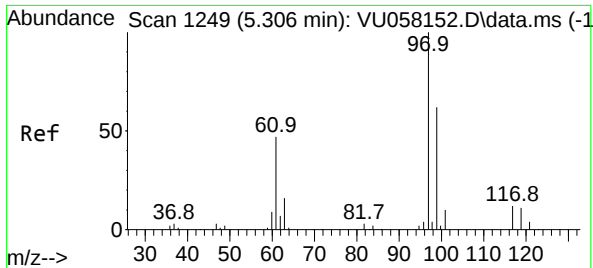
Tgt Ion: 62 Resp: 52357

Ion Ratio Lower Upper

62 100

98 8.7 7.0 10.4

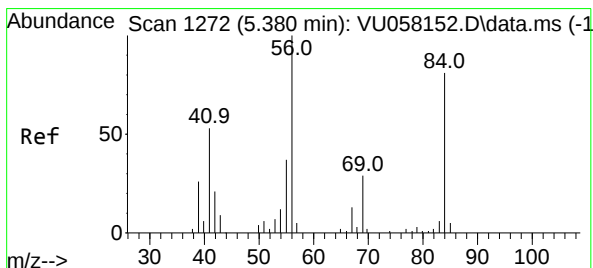
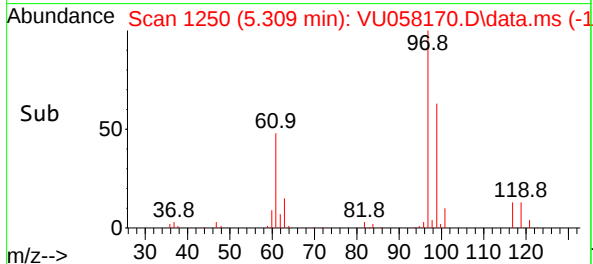
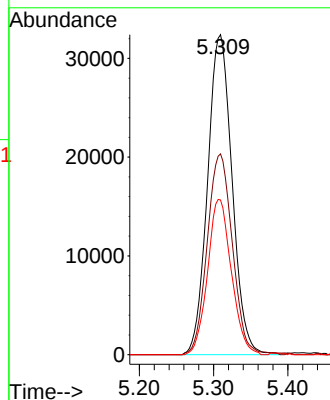
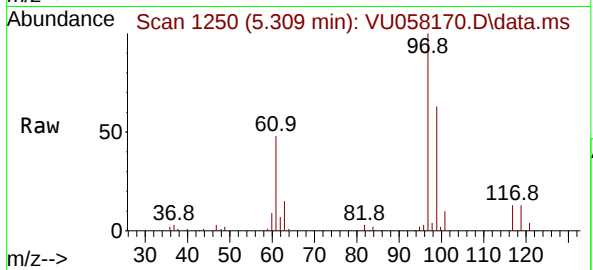




#29
1,1,1-Trichloroethane
Concen: 5.246 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

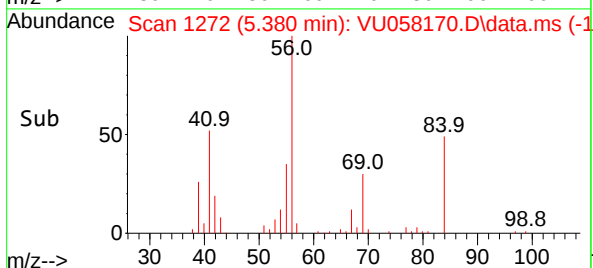
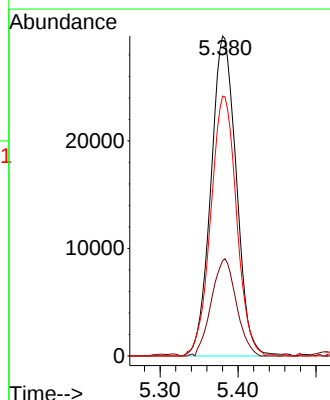
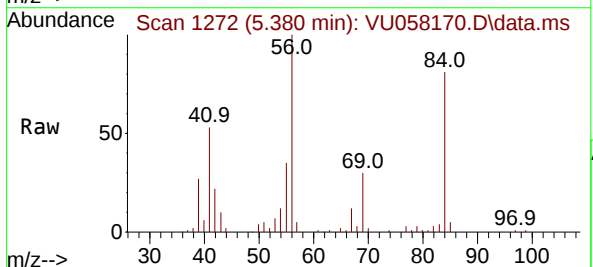
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

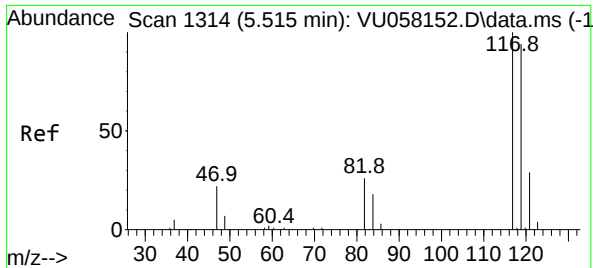
Tgt Ion: 97	Resp: 74444
Ion Ratio	Lower Upper
97 100	
99 64.3	51.2 76.8
61 47.0	37.4 56.2



#30
Cyclohexane
Concen: 4.689 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 56	Resp: 67202
Ion Ratio	Lower Upper
56 100	
69 29.9	24.2 36.2
84 82.5	66.6 99.8

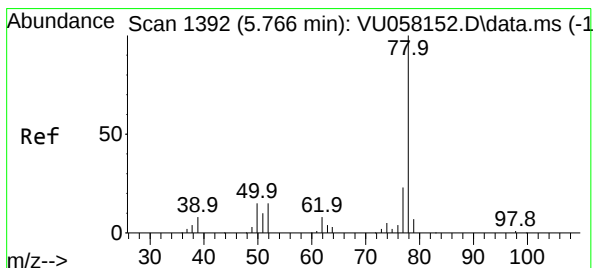
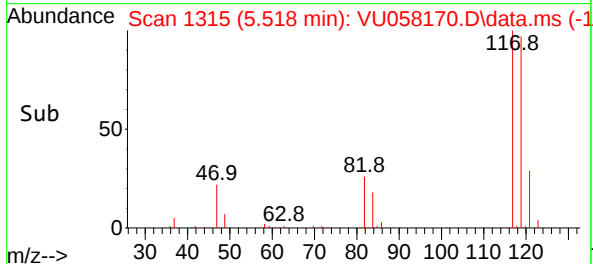
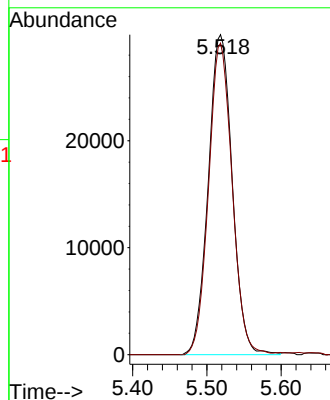
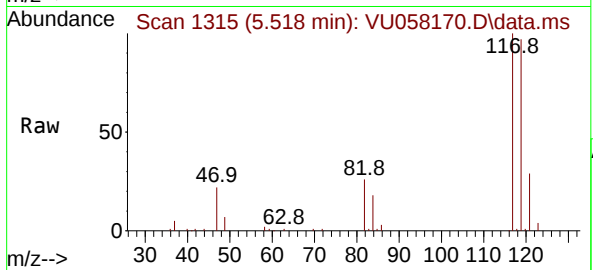




#31
Carbon tetrachloride
Concen: 5.439 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

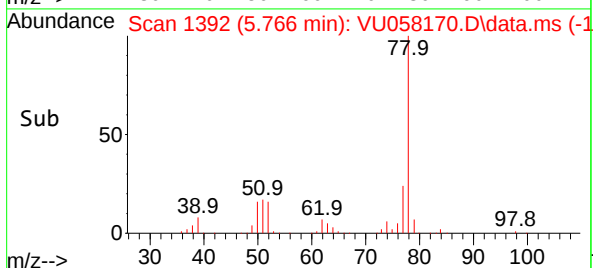
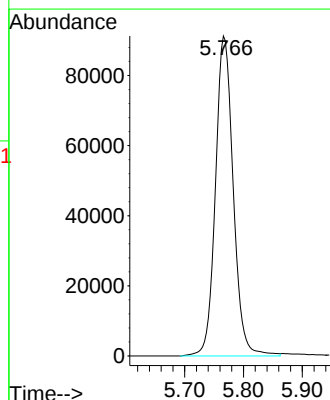
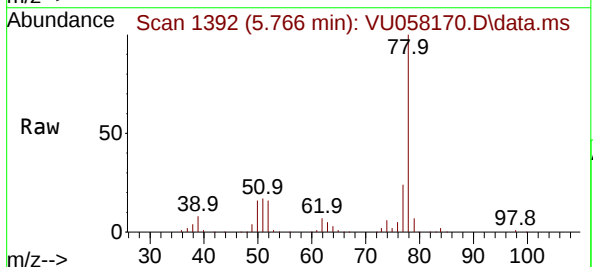
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

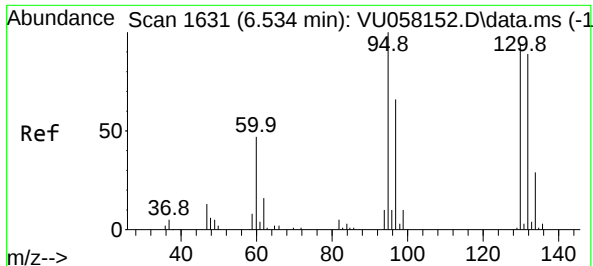
Tgt Ion:117 Resp: 67081
Ion Ratio Lower Upper
117 100
119 95.5 75.8 113.8



#33
Benzene
Concen: 5.251 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 78 Resp: 192113

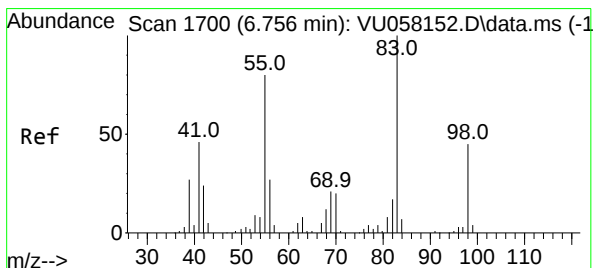
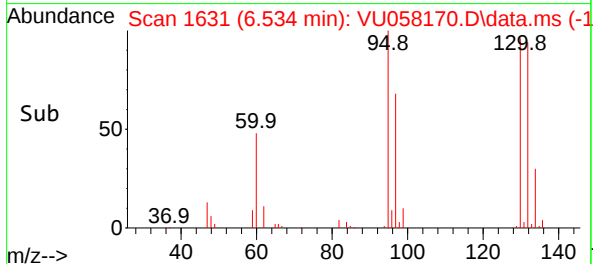
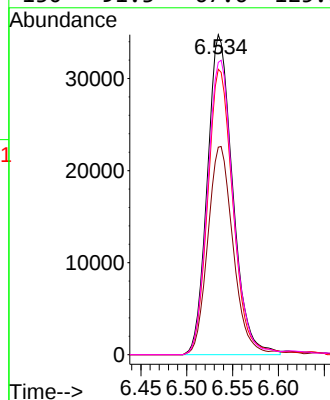
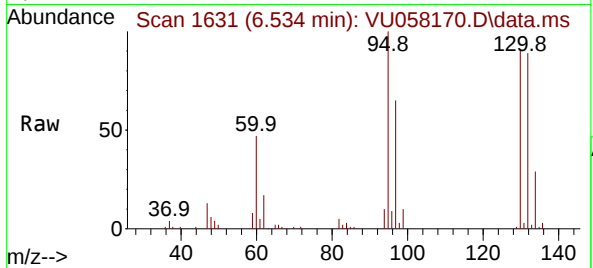




#34
Trichloroethene
Concen: 6.950 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

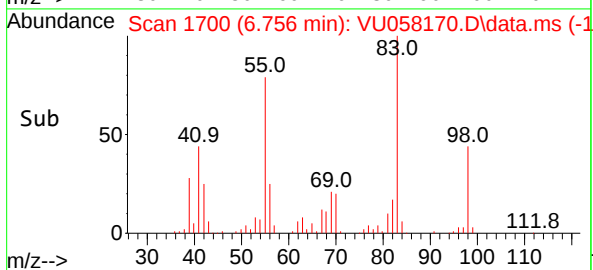
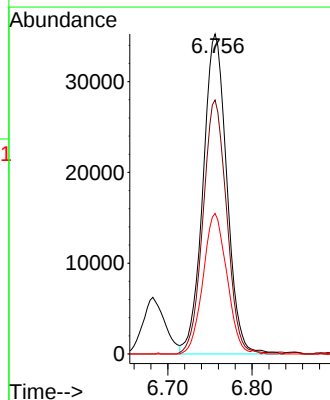
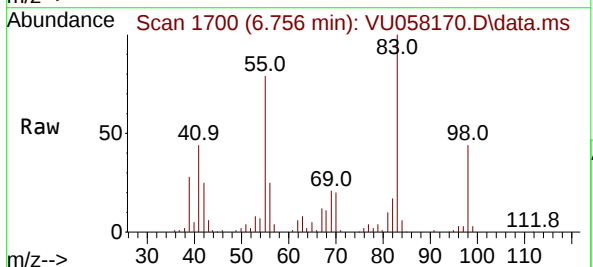
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

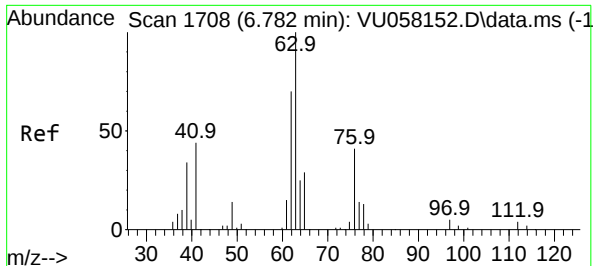
Tgt Ion: 95 Resp: 66907
Ion Ratio Lower Upper
95 100
97 64.8 45.3 84.1
132 89.2 63.1 117.1
130 91.3 67.6 125.6



#35
Methylcyclohexane
Concen: 4.700 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 83 Resp: 69362
Ion Ratio Lower Upper
83 100
55 78.7 63.0 94.6
98 43.8 36.2 54.4

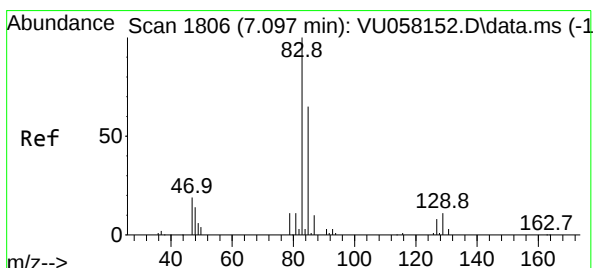
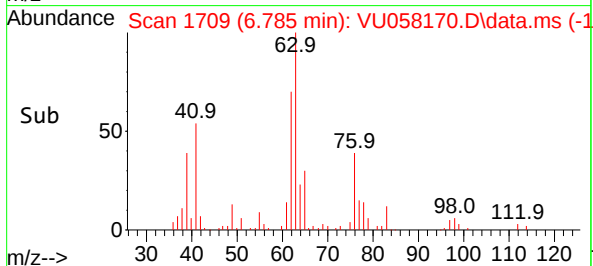
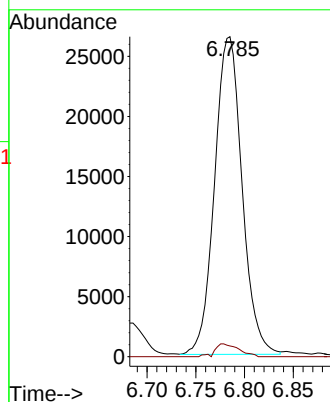
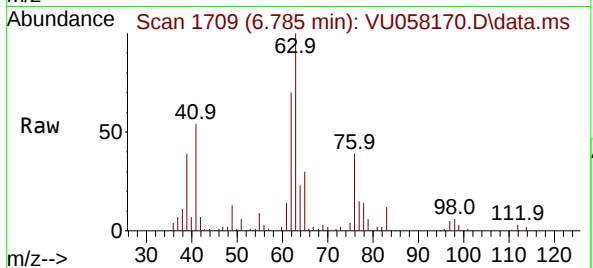




#37
1,2-Dichloropropane
Concen: 5.500 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

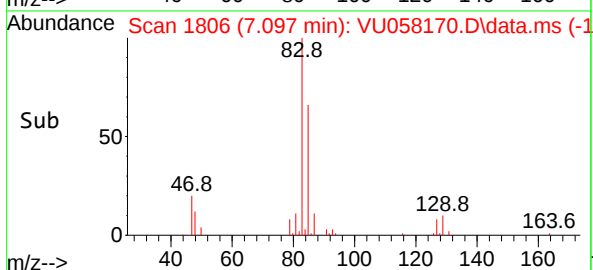
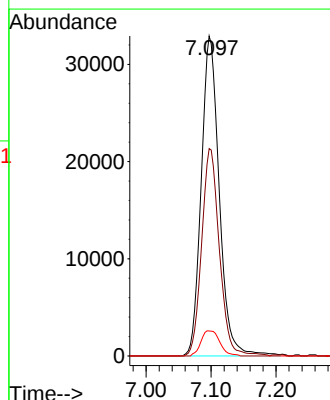
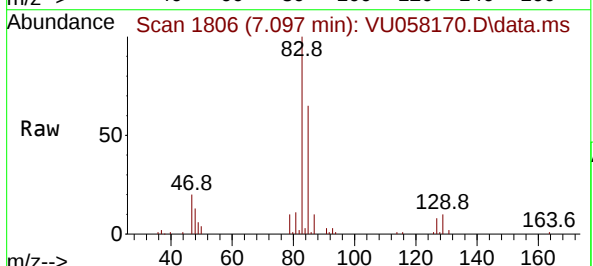
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

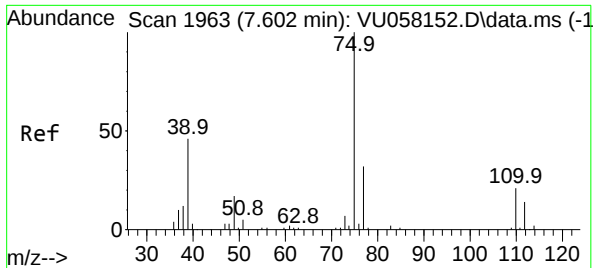
Tgt Ion: 63 Resp: 51889
Ion Ratio Lower Upper
63 100
112 3.5 3.0 4.4



#38
Bromodichloromethane
Concen: 5.559 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 83 Resp: 63637
Ion Ratio Lower Upper
83 100
85 64.8 44.5 82.7
127 7.8 6.6 9.8

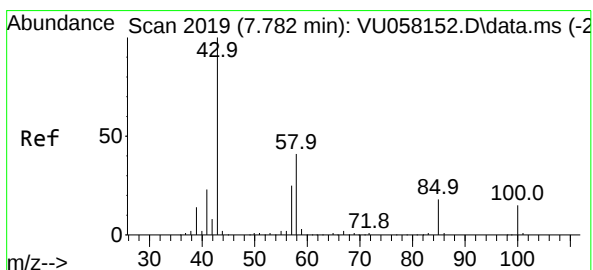
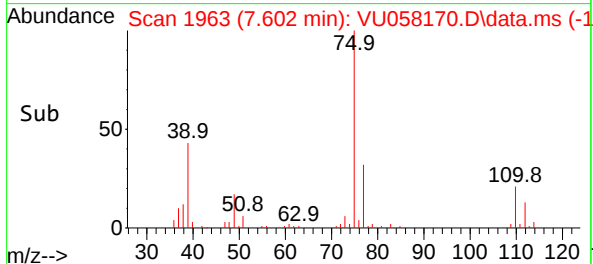
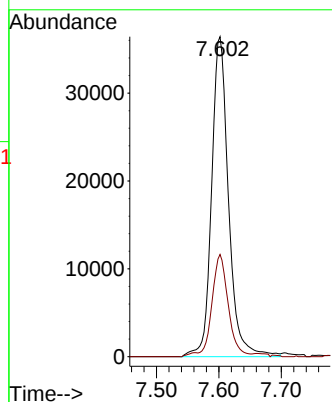
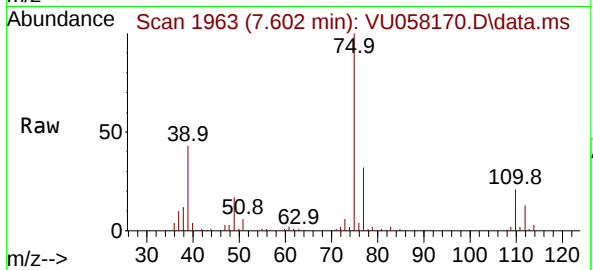




#39
 cis-1,3-Dichloropropene
 Concen: 5.288 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058170.D
 Acq: 19 Mar 2024 23:02

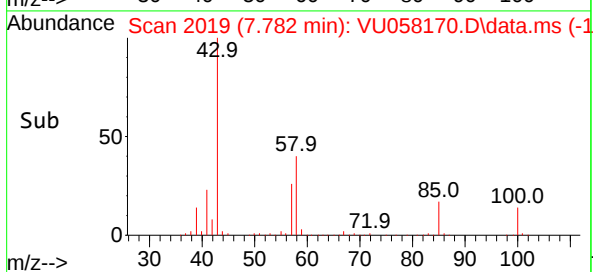
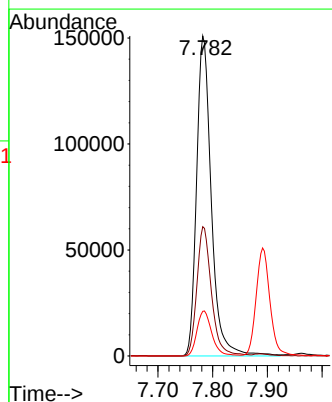
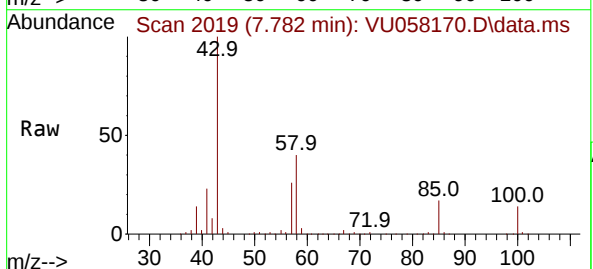
Instrument :
 MSVOA_U
 ClientSampleId :
 GCFZ1MSD

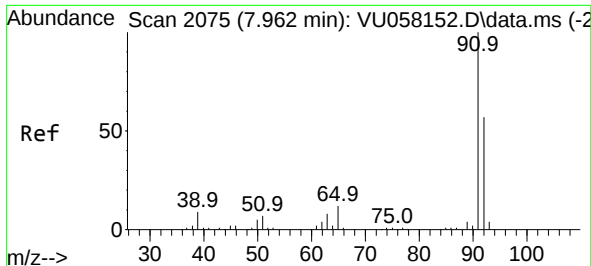
Tgt Ion: 75 Resp: 68745
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 65.118 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058170.D
 Acq: 19 Mar 2024 23:02

Tgt Ion: 43 Resp: 282633
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.7 47.5
 100 14.2 11.3 16.9





#42

Toluene

Concen: 5.505 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

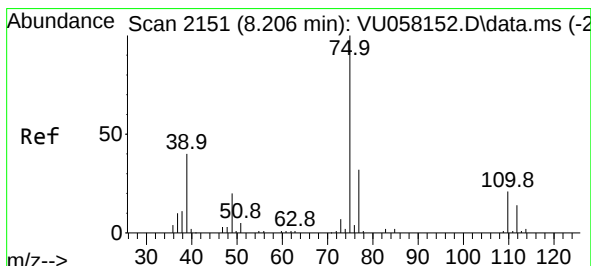
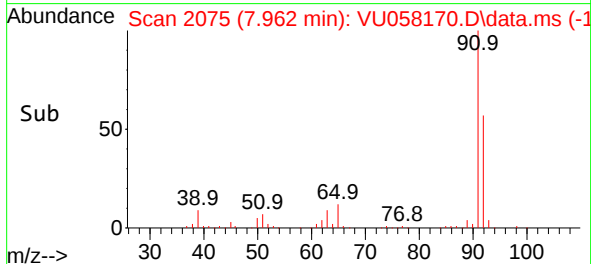
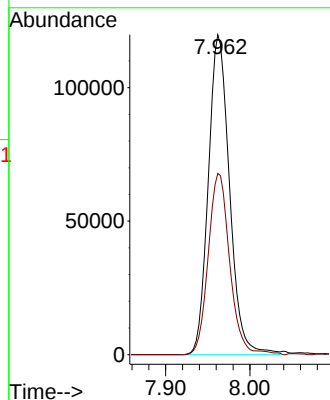
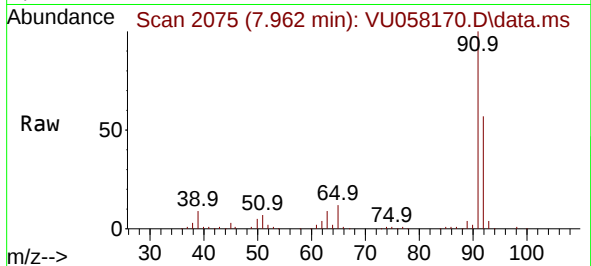
GCFZ1MSD

Tgt Ion: 91 Resp: 209776

Ion Ratio Lower Upper

91 100

92 56.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.198 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU058170.D

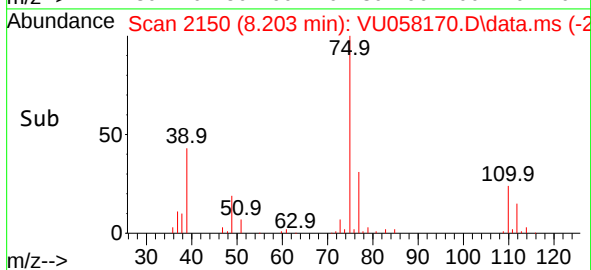
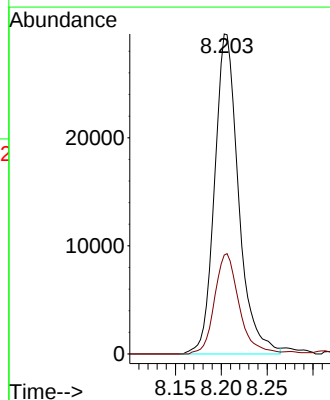
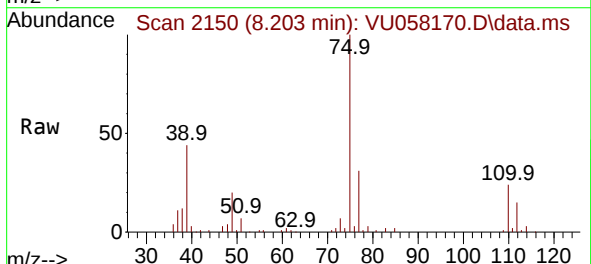
Acq: 19 Mar 2024 23:02

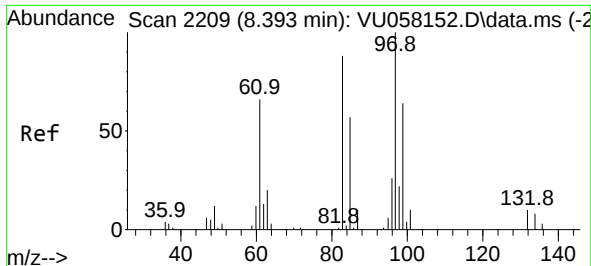
Tgt Ion: 75 Resp: 53848

Ion Ratio Lower Upper

75 100

77 30.9 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 5.988 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

GCFZ1MSD

Tgt Ion: 97 Resp: 33499

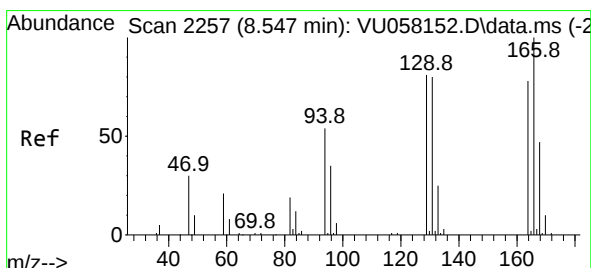
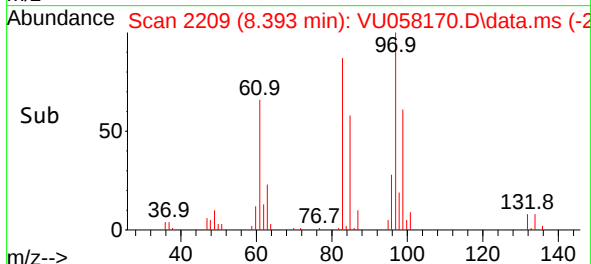
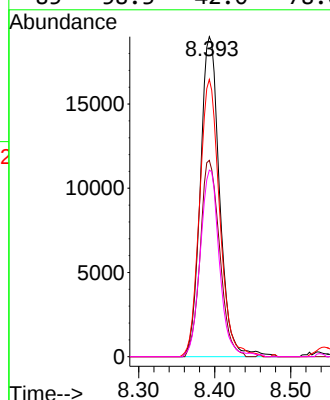
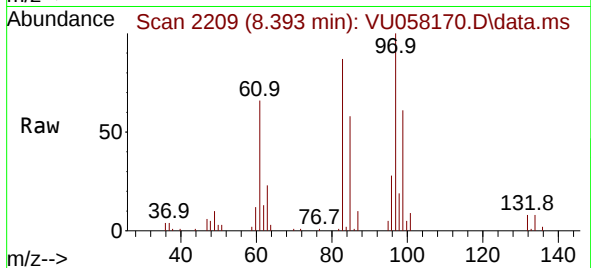
Ion Ratio Lower Upper

97 100

99 61.3 44.2 82.2

83 86.7 64.2 119.2

85 58.3 42.0 78.0



#47

Tetrachloroethene

Concen: 5.165 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Tgt Ion: 164 Resp: 34495

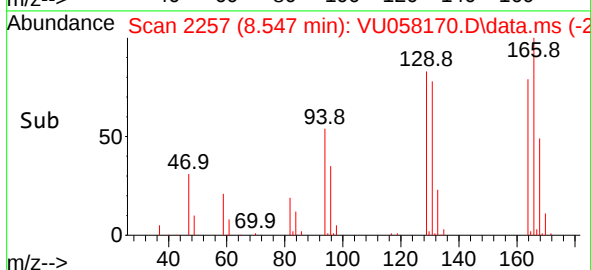
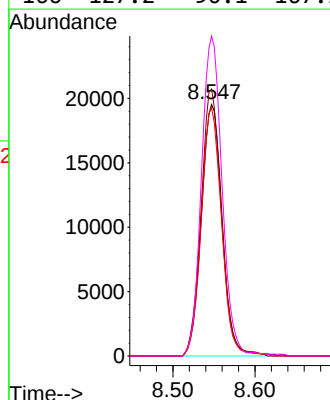
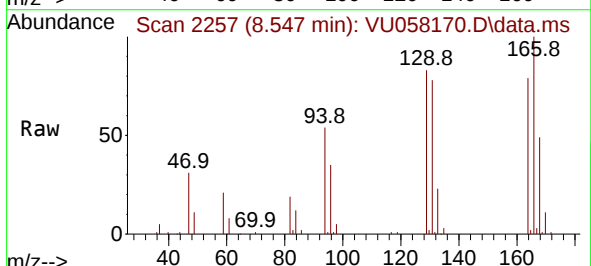
Ion Ratio Lower Upper

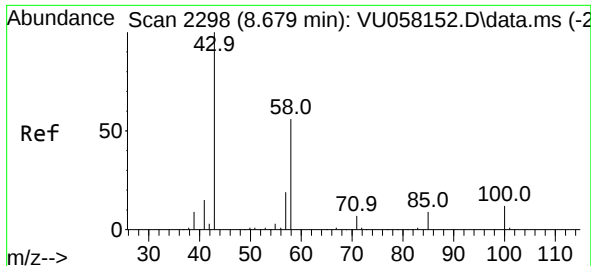
164 100

129 106.1 69.3 128.7

131 98.7 69.9 129.9

166 127.2 90.1 167.3

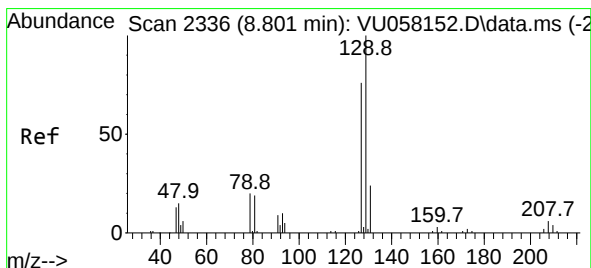
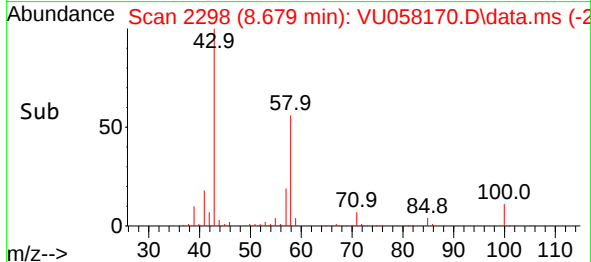
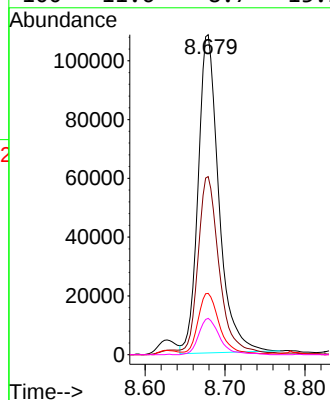
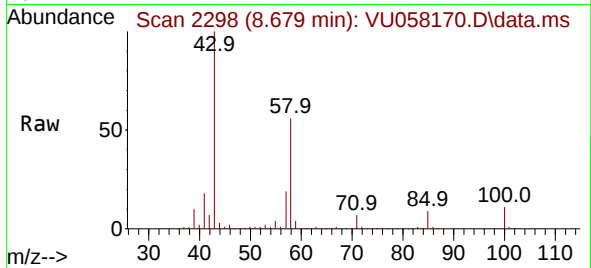




#48
2-Hexanone
Concen: 61.429 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

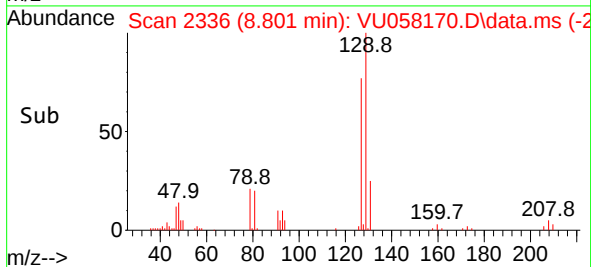
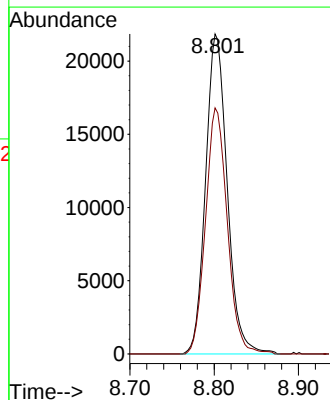
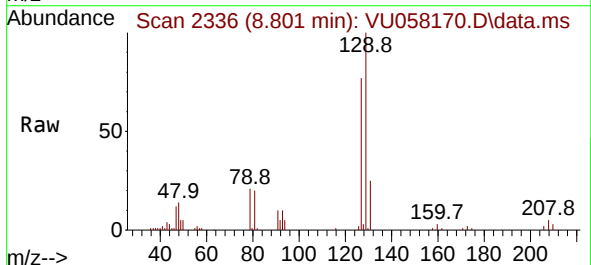
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

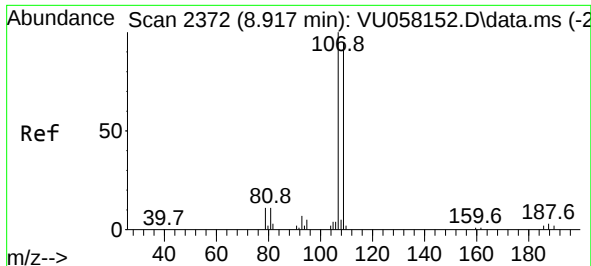
Tgt Ion:	43	Resp:	195528
Ion	Ratio	Lower	Upper
43	100		
58	56.8	43.3	64.9
57	19.4	15.2	22.8
100	11.6	8.7	13.1



#49
Dibromochloromethane
Concen: 5.895 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion:	129	Resp:	39035
Ion	Ratio	Lower	Upper
129	100		
127	76.9	55.2	102.6

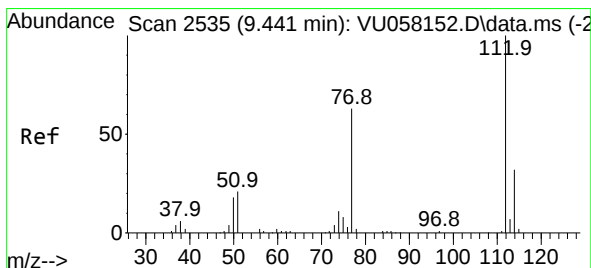
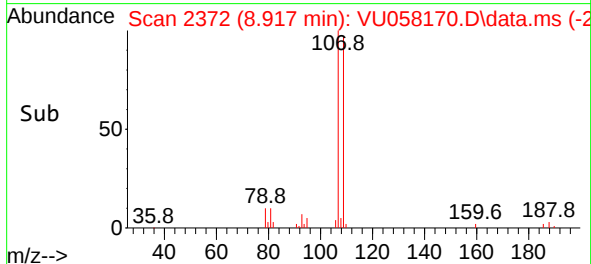
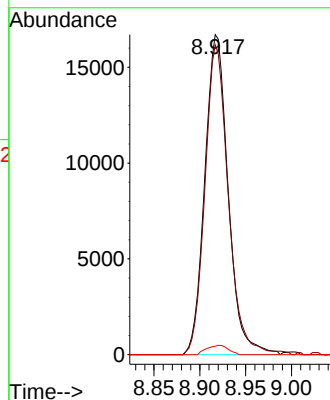
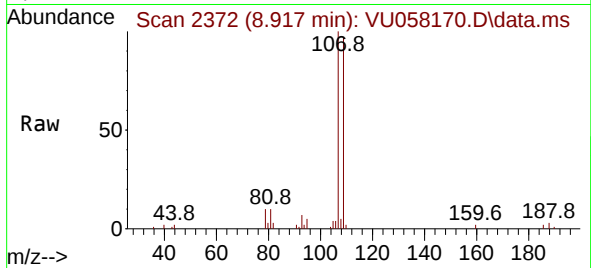




#50
1,2-Dibromoethane
Concen: 5.973 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

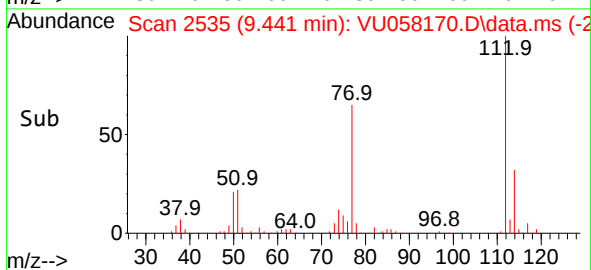
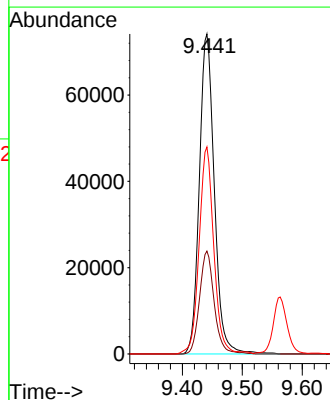
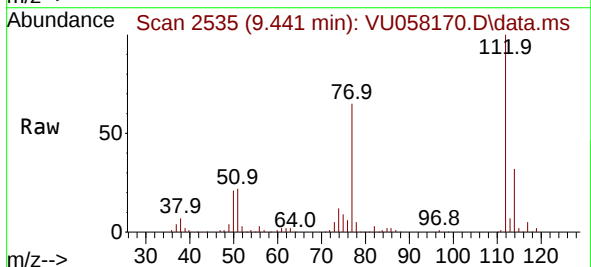
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

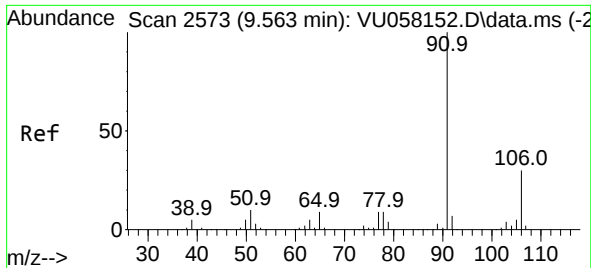
Tgt Ion:107 Resp: 29655
Ion Ratio Lower Upper
107 100
109 96.8 67.8 125.8
188 2.7 2.4 3.6



#51
Chlorobenzene
Concen: 5.407 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion:112 Resp: 129202
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.1
77 64.7 52.3 78.5

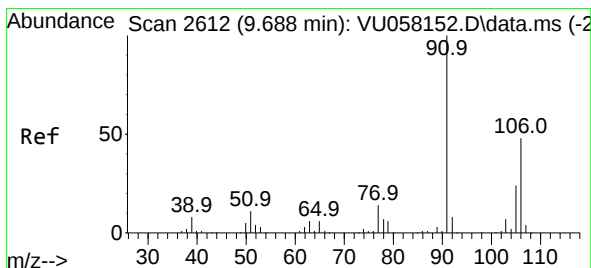
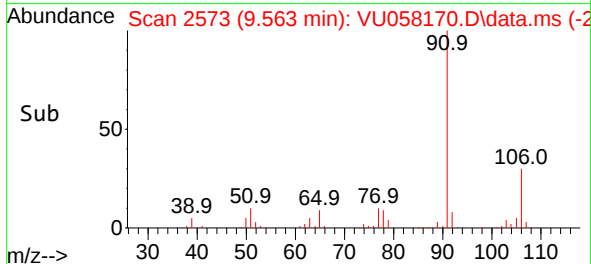
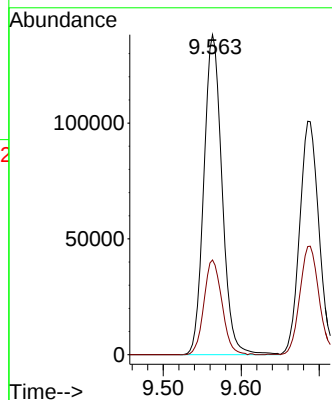
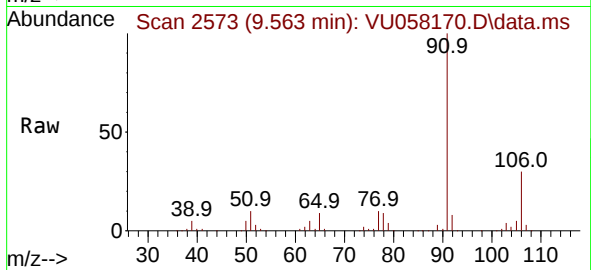




#52
Ethylbenzene
Concen: 5.247 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

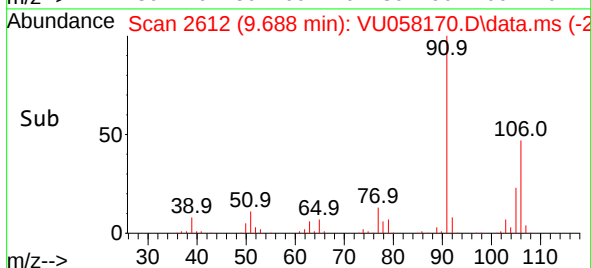
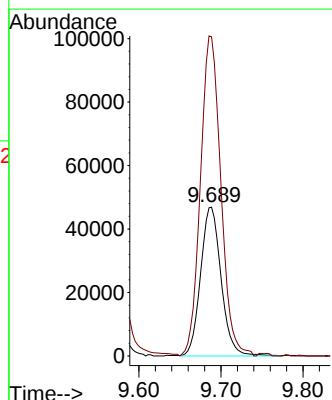
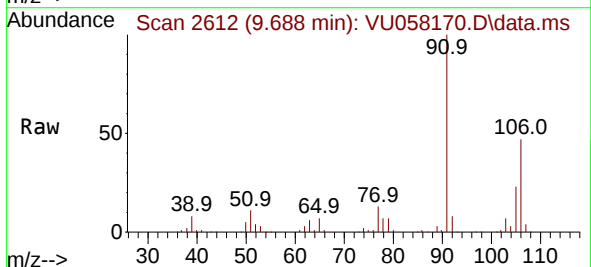
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

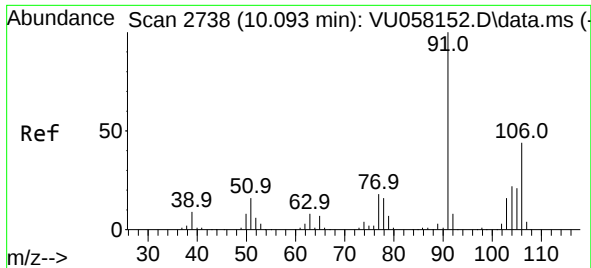
Tgt Ion: 91 Resp: 223750
Ion Ratio Lower Upper
91 100
106 29.6 20.9 38.7



#53
m,p-Xylene
Concen: 5.341 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 106 Resp: 81373
Ion Ratio Lower Upper
106 100
91 214.6 148.8 276.4

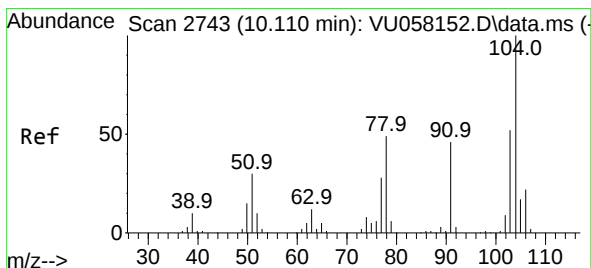
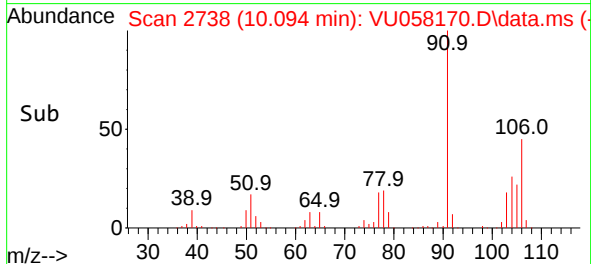
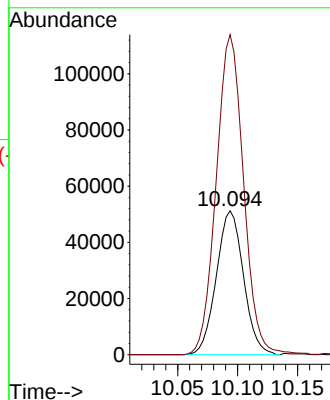
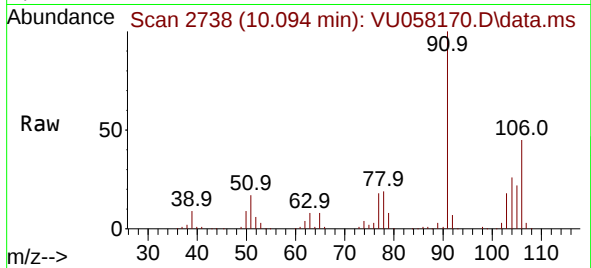




#54
o-Xylene
Concen: 5.300 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

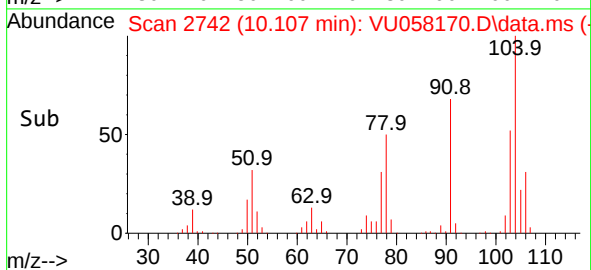
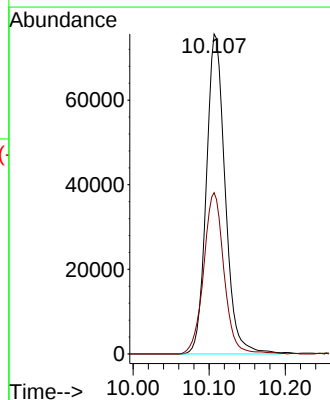
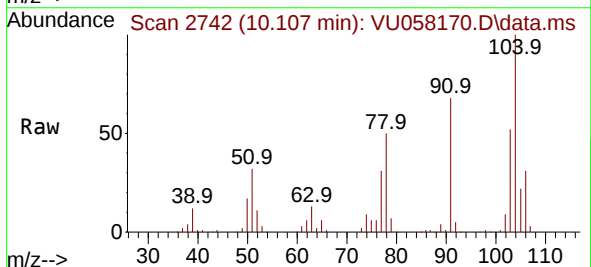
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

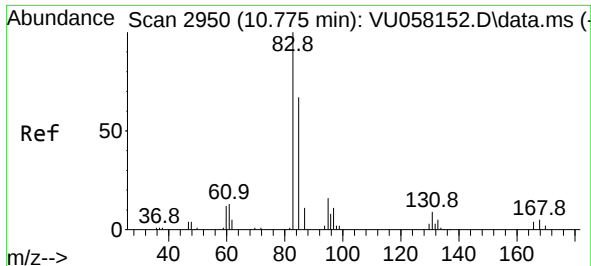
Tgt Ion:106 Resp: 80472
Ion Ratio Lower Upper
106 100
91 222.4 158.3 294.1



#55
Styrene
Concen: 5.461 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. -0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion:104 Resp: 130157
Ion Ratio Lower Upper
104 100
78 50.4 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 6.145 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

GCFZ1MSD

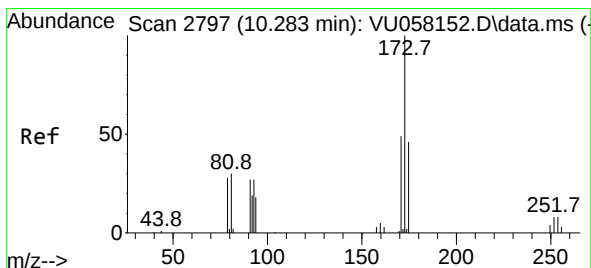
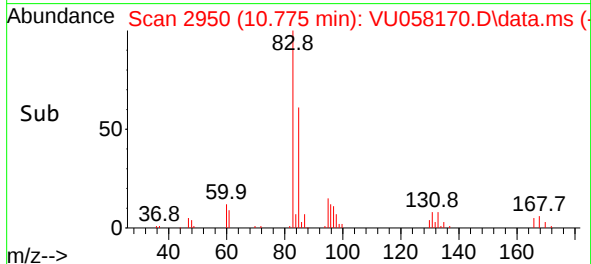
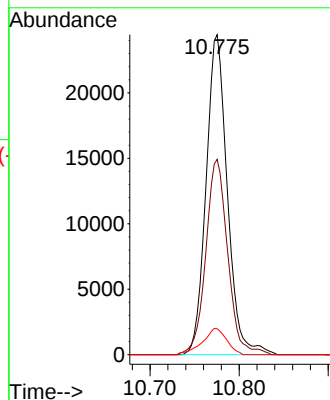
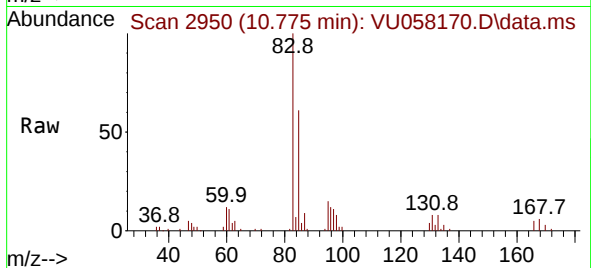
Tgt Ion: 83 Resp: 40498

Ion Ratio Lower Upper

83 100

85 61.1 44.0 81.6

131 8.1 6.9 10.3



#59

Bromoform

Concen: 6.042 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

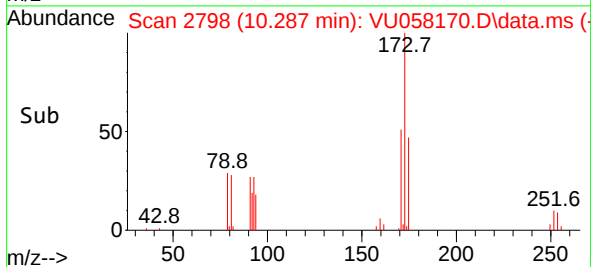
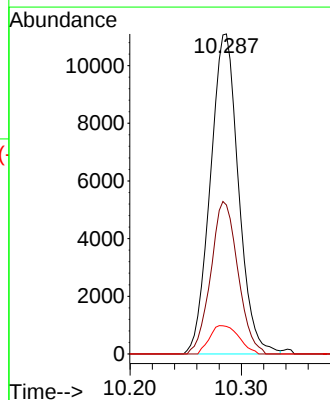
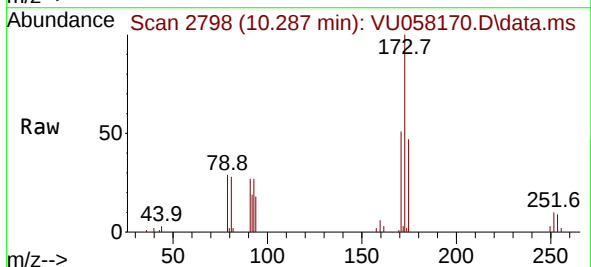
Tgt Ion: 173 Resp: 19505

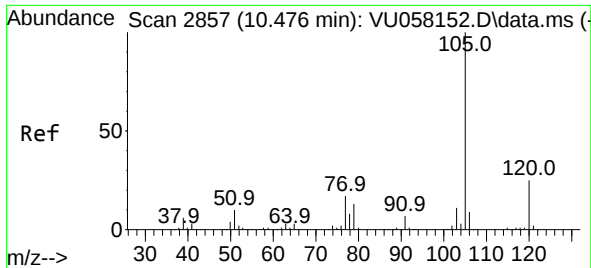
Ion Ratio Lower Upper

173 100

175 45.8 38.6 57.8

254 9.1 7.3 10.9

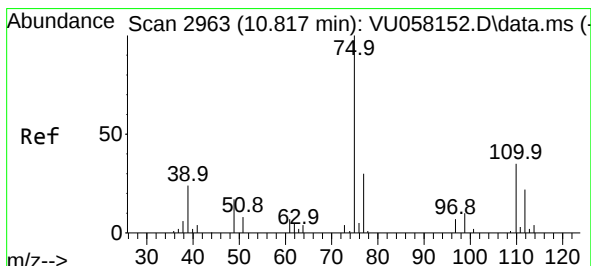
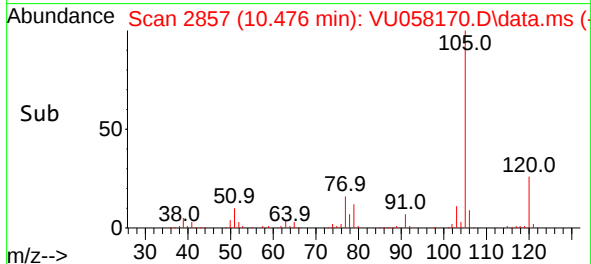
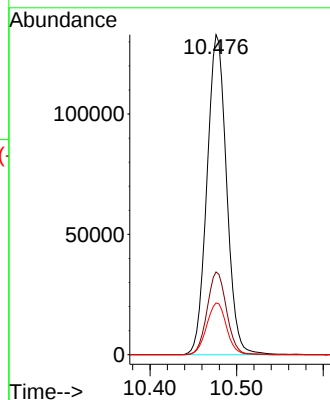
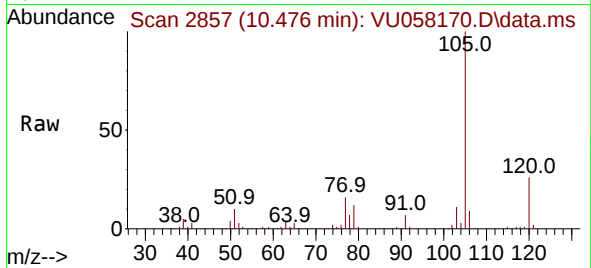




#60
Isopropylbenzene
Concen: 5.421 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

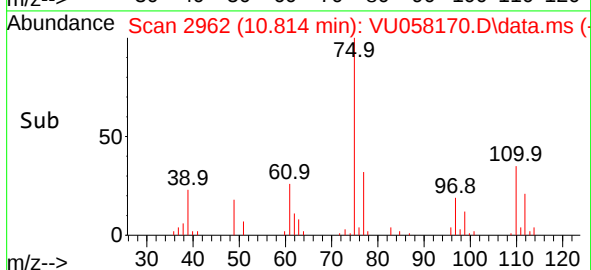
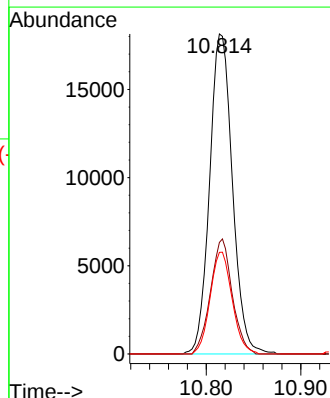
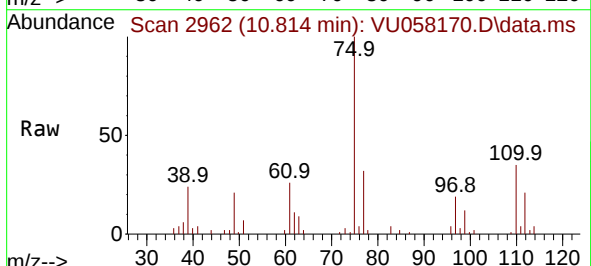
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

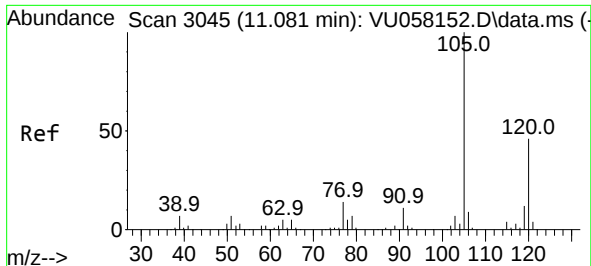
Tgt Ion:105 Resp: 208968
Ion Ratio Lower Upper
105 100
120 25.6 20.4 30.6
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 6.412 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion: 75 Resp: 30401
Ion Ratio Lower Upper
75 100
110 34.2 28.0 42.0
77 30.7 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 5.293 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

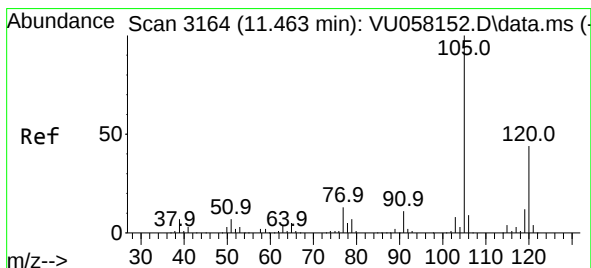
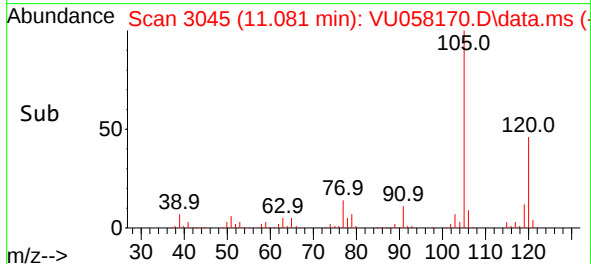
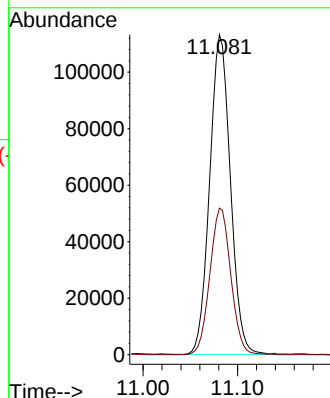
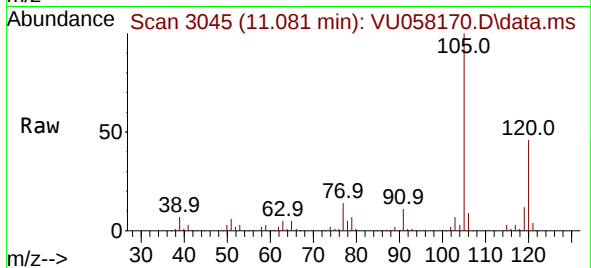
GCFZ1MSD

Tgt Ion:105 Resp: 172085

Ion Ratio Lower Upper

105 100

120 46.3 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.388 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU058170.D

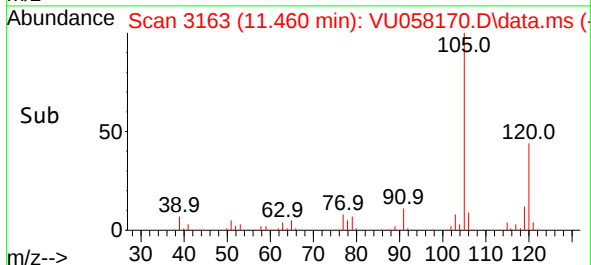
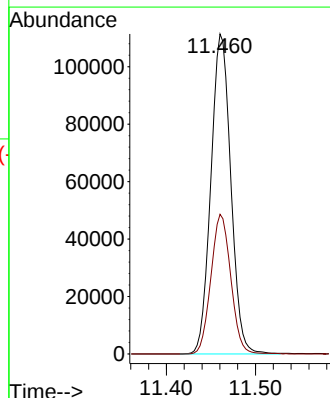
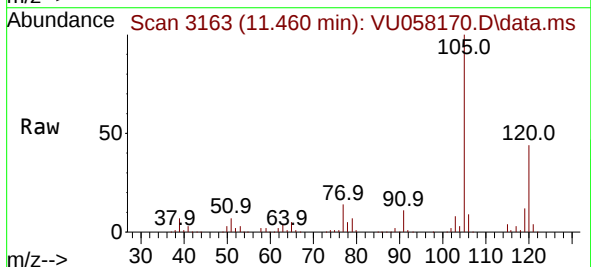
Acq: 19 Mar 2024 23:02

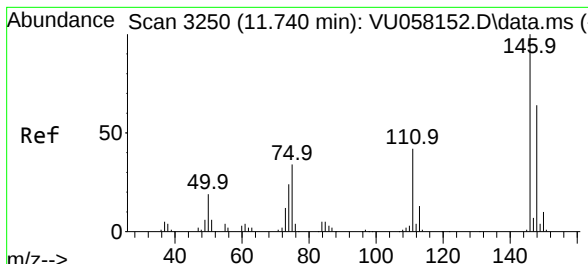
Tgt Ion:105 Resp: 172904

Ion Ratio Lower Upper

105 100

120 43.5 34.8 52.2

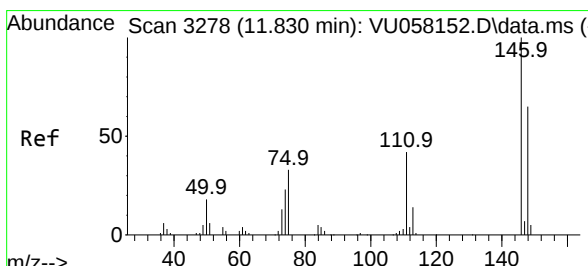
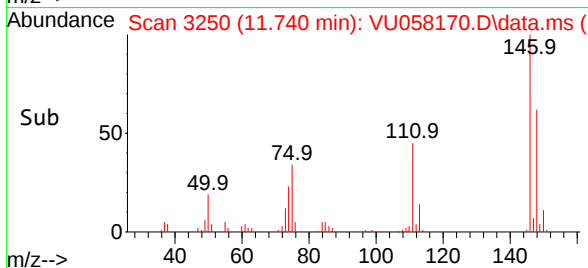
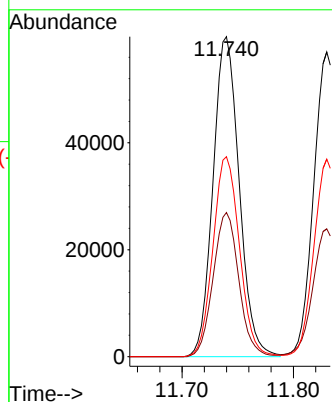
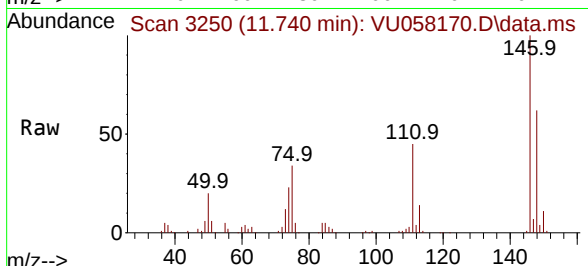




#64
1,3-Dichlorobenzene
Concen: 5.579 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

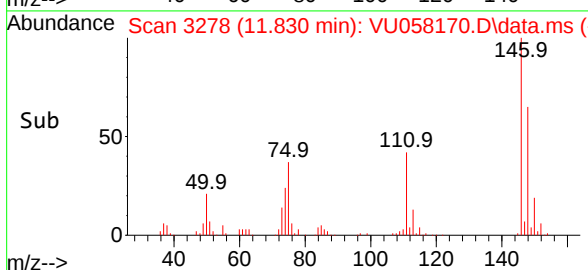
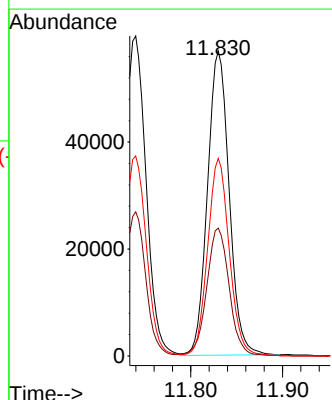
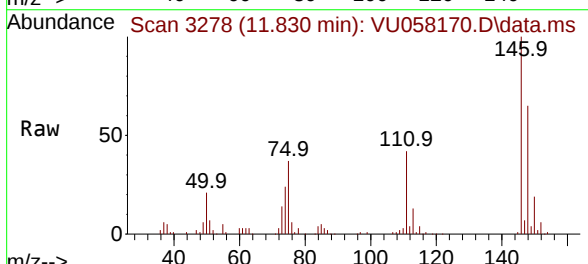
Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

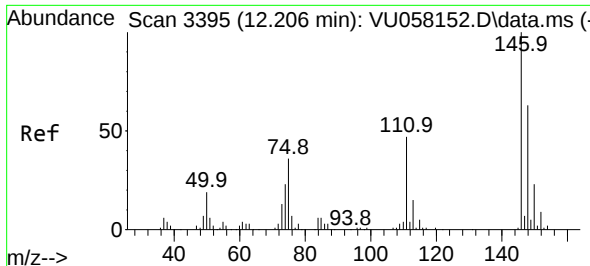
Tgt Ion:146 Resp: 97746
Ion Ratio Lower Upper
146 100
111 45.0 30.9 57.5
148 62.5 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 5.439 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion:146 Resp: 93283
Ion Ratio Lower Upper
146 100
111 42.0 30.1 55.9
148 64.8 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.803 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

Instrument :

MSVOA_U

ClientSampleId :

GCFZ1MSD

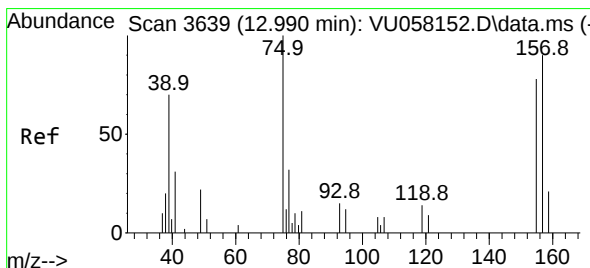
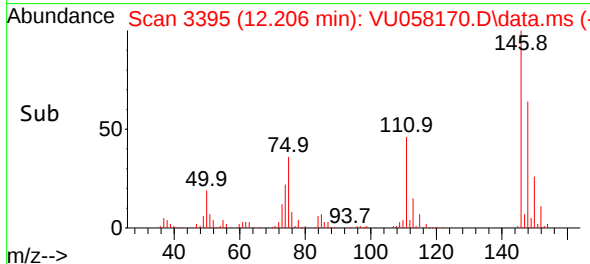
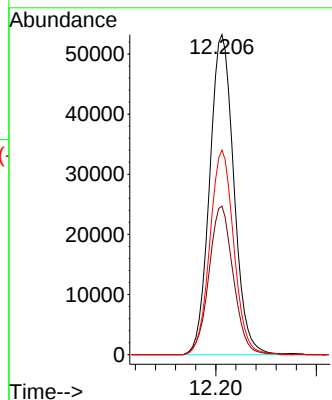
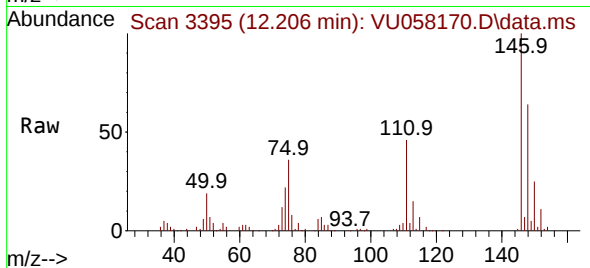
Tgt Ion:146 Resp: 88771

Ion Ratio Lower Upper

146 100

111 46.4 37.4 56.0

148 63.9 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 6.670 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058170.D

Acq: 19 Mar 2024 23:02

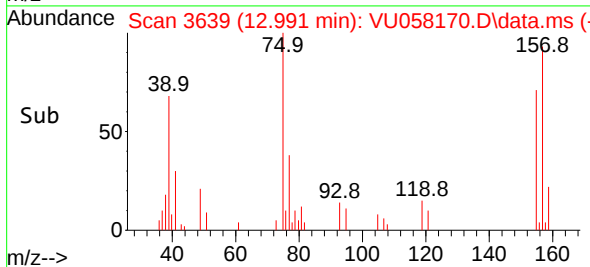
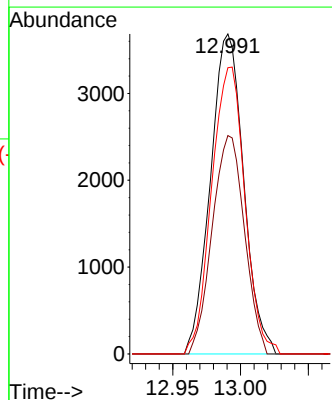
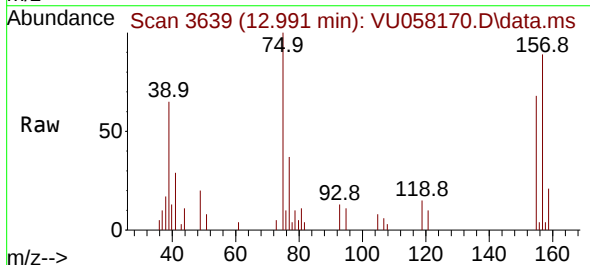
Tgt Ion: 75 Resp: 6274

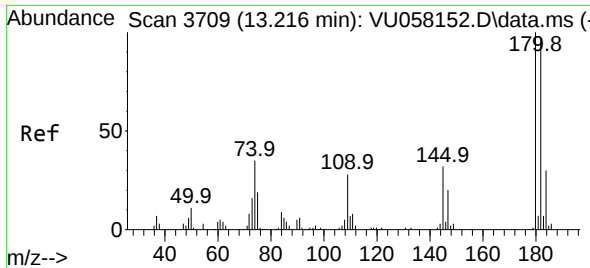
Ion Ratio Lower Upper

75 100

155 68.2 61.0 91.6

157 89.5 74.6 112.0

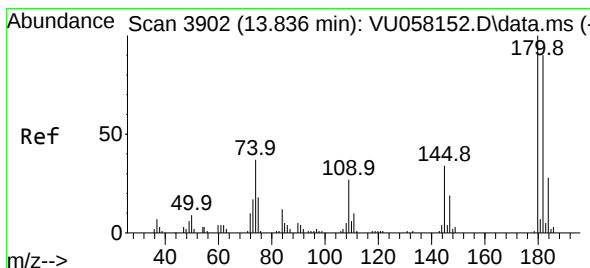
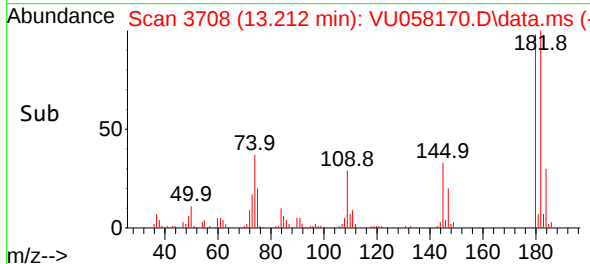
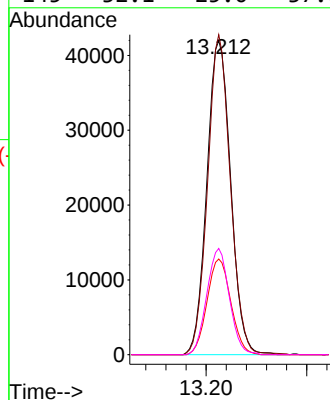
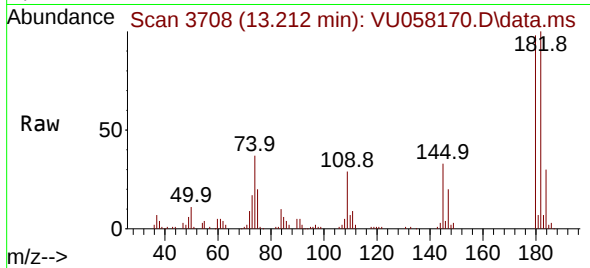




#69
 1,3,5-Trichlorobenzene
 Concen: 5.467 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU058170.D
 Acq: 19 Mar 2024 23:02

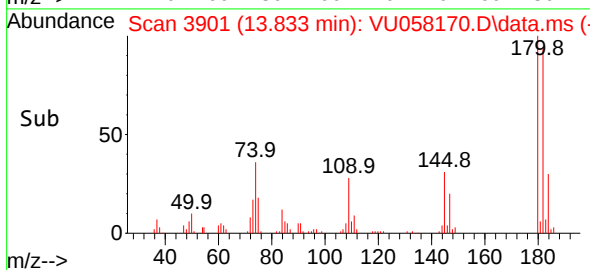
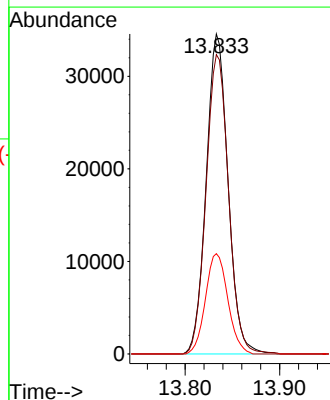
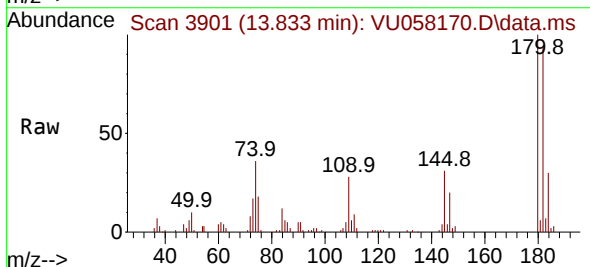
Instrument :
 MSVOA_U
 ClientSampleId :
 GCFZ1MSD

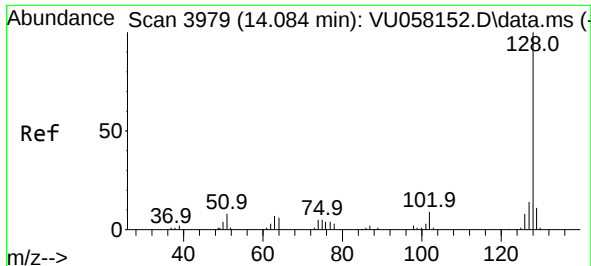
Tgt Ion:180 Resp: 68910
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.3 114.5
 184 30.5 24.6 36.8
 145 32.1 25.0 37.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.867 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU058170.D
 Acq: 19 Mar 2024 23:02

Tgt Ion:180 Resp: 55562
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.9 116.9
 145 32.0 25.8 38.8

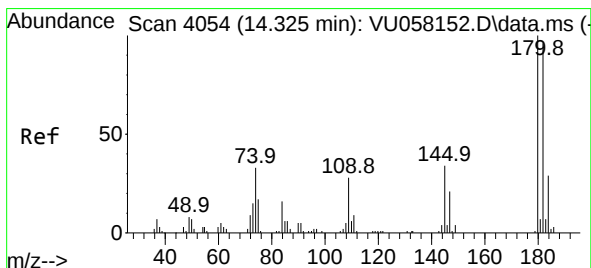
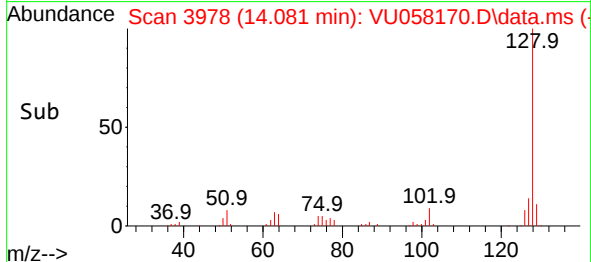
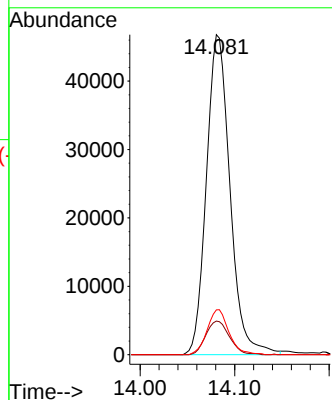
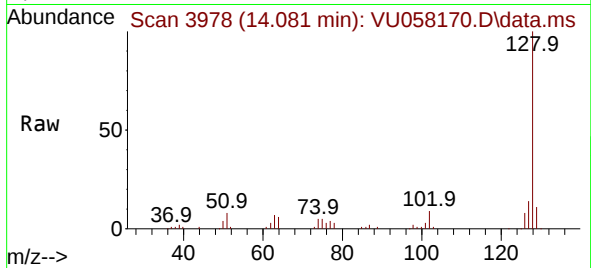




#71
Naphthalene
Concen: 6.274 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Instrument :
MSVOA_U
ClientSampleId :
GCFZ1MSD

Tgt Ion:	128	Resp:	81145
Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	13.0	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 6.176 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU058170.D
Acq: 19 Mar 2024 23:02

Tgt Ion:	180	Resp:	46202
Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.6	116.4
145	34.4	28.7	43.1

