

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120924\
 Data File : VU062178.D
 Acq On : 09 Dec 2024 23:30
 Operator : MD/SY
 Sample : P5107-22MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHJ99MSD

Quant Time: Dec 10 00:38:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 10 00:32:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	101468	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	96373	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	50440	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	19331	2.824	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.400%
7) Chloroethane-d5	1.907	69	16466	3.382	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.600%
11) 1,1-Dichloroethene-d2	2.557	65	9213	2.830	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.600%#
20) 2-Butanone-d5	4.624	46	79440	60.564	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.120%
24) Chloroform-d	5.052	84	65029	4.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.695	65	34623	4.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.717	84	101928	3.672	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
36) 1,2-Dichloropropane-d6	6.682	67	33050	4.161	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.888	98	89971	3.431	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.600%#
43) trans-1,3-Dichloroprop...	8.174	79	14456	4.135	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.624	63	56621	53.688	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.380%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	33917	5.488	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.800%
66) 1,2-Dichlorobenzene-d4	12.183	152	41417	4.456	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	42507	4.472	ug/L	97
3) Chloromethane	1.515	50	31035	4.166	ug/L	99
5) Vinyl chloride	1.599	62	32473	4.186	ug/L	100
6) Bromomethane	1.853	94	21969	4.249	ug/L	99
8) Chloroethane	1.927	64	18780	4.323	ug/L	95
9) Trichlorofluoromethane	2.129	101	60318	4.480	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	31552	4.306	ug/L	90
12) 1,1-Dichloroethene	2.573	96	28229	4.120	ug/L	97
13) Acetone	2.640	43	49593	55.530	ug/L	96
14) Carbon disulfide	2.785	76	79199	3.656	ug/L	98
15) Methyl Acetate	2.952	43	6736	3.009	ug/L	94
16) Methylene chloride	3.036	84	38262	5.320	ug/L	91
17) Methyl tert-butyl Ether	3.354	73	86103	5.045	ug/L	96
18) trans-1,2-Dichloroethene	3.345	96	30063	4.271	ug/L	95
19) 1,1-Dichloroethane	3.859	63	60042	4.654	ug/L	98
21) 2-Butanone	4.705	43	70787	54.579	ug/L	95
22) cis-1,2-Dichloroethene	4.656	96	56377	7.145	ug/L	94
23) Bromochloromethane	4.965	128	16529	4.779	ug/L #	80
25) Chloroform	5.078	83	67215	4.625	ug/L	98

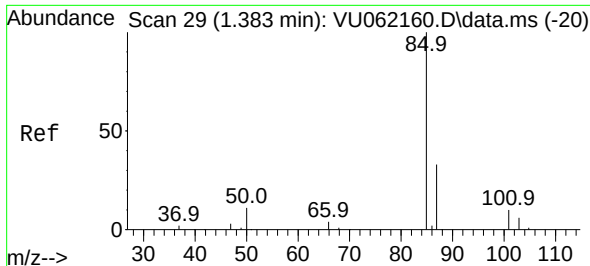
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120924\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	42631	4.616	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	66154	4.879	ug/L	96
30) Cyclohexane	5.380	56	46903	4.266	ug/L	92
31) Carbon tetrachloride	5.515	117	56619	4.554	ug/L	99
33) Benzene	5.762	78	132601	4.440	ug/L	100
34) Trichloroethene	6.534	95	36489	4.313	ug/L	98
35) Methylcyclohexane	6.753	83	49273	3.928	ug/L	97
37) 1,2-Dichloropropane	6.782	63	32542	4.474	ug/L	98
38) Bromodichloromethane	7.097	83	47896	4.668	ug/L	97
39) cis-1,3-Dichloropropene	7.598	75	51366	4.406	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	180761	53.030	ug/L #	92
42) Toluene	7.962	91	145365	4.514	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	42985	4.515	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	27123	4.940	ug/L	98
47) Tetrachloroethene	8.544	164	28655	4.387	ug/L	95
48) 2-Hexanone	8.676	43	132862	52.742	ug/L #	92
49) Dibromochloromethane	8.801	129	33757	5.089	ug/L	98
50) 1,2-Dibromoethane	8.917	107	25544	4.842	ug/L #	99
51) Chlorobenzene	9.438	112	93264	4.520	ug/L	98
52) Ethylbenzene	9.563	91	158609	4.393	ug/L	97
53) m,p-Xylene	9.685	106	59403	4.456	ug/L	96
54) o-Xylene	10.090	106	59877	4.618	ug/L	98
55) Styrene	10.106	104	87764	4.106	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.772	83	32800	5.133	ug/L #	98
59) Bromoform	10.283	173	20521	5.177	ug/L	96
60) Isopropylbenzene	10.476	105	163220	4.479	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	23525	5.044	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	132940	4.311	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	127065	4.206	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	76125	4.548	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	72104	4.278	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	70366	4.549	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	5713	5.615	ug/L	89
69) 1,3,5-Trichlorobenzene	13.212	180	52976	4.258	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	43410	4.419	ug/L	96
71) Naphthalene	14.080	128	66473	4.506	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	40284	4.650	ug/L	99

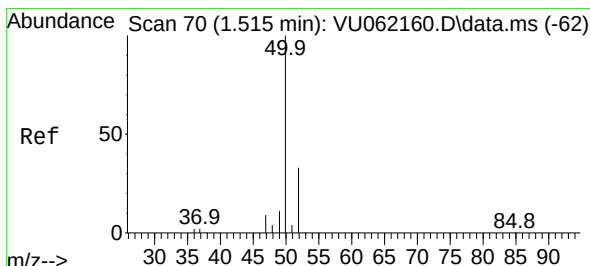
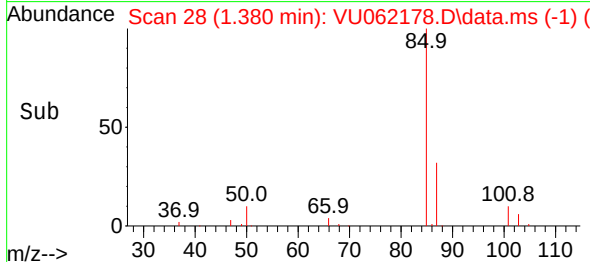
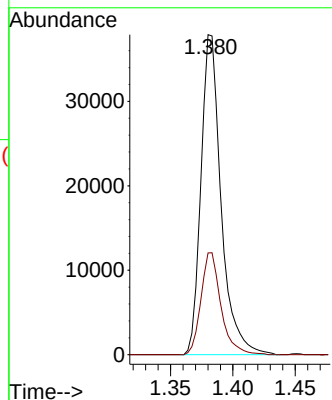
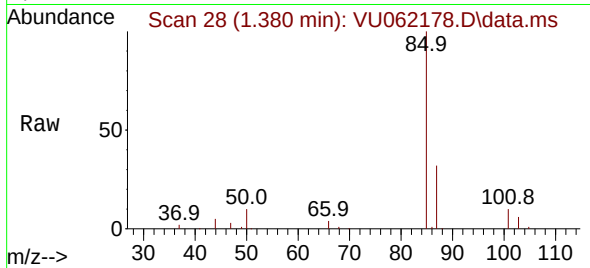
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#2
 Dichlorodifluoromethane
 Concen: 4.472 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU062178.D
 Acq: 09 Dec 2024 23:30

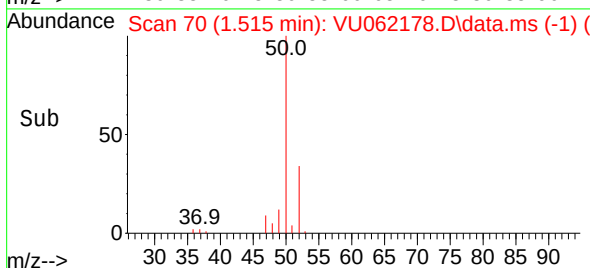
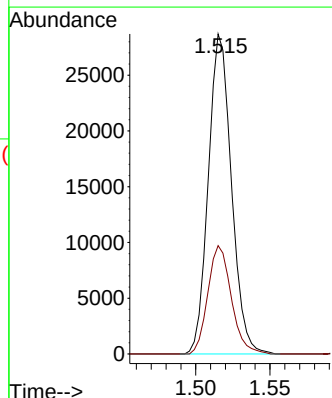
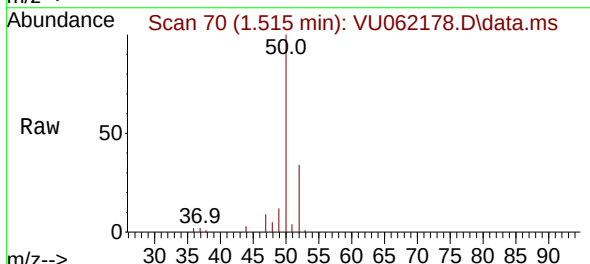
Instrument :
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 ClientSampleId :
 BHJ99MSD

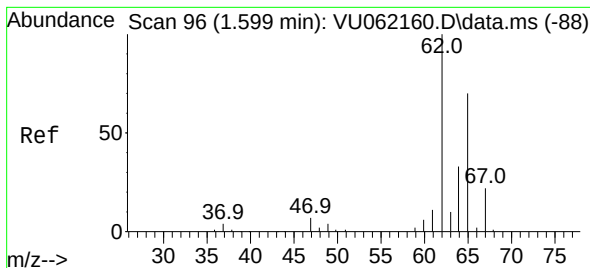
Tgt Ion: 85 Resp: 42507
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.6 40.0



#3
 Chloromethane
 Concen: 4.166 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU062178.D
 Acq: 09 Dec 2024 23:30

Tgt Ion: 50 Resp: 31035
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.1 42.9





#5

Vinyl chloride

Concen: 4.186 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

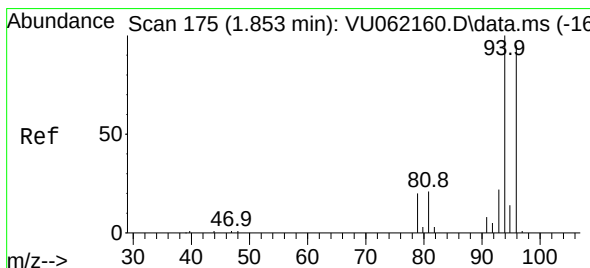
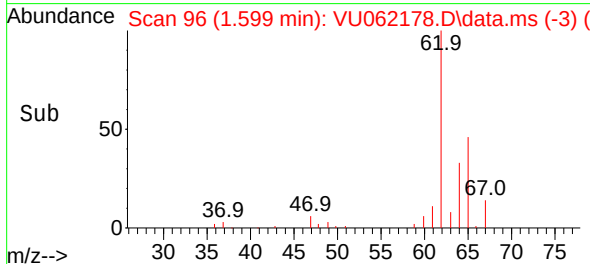
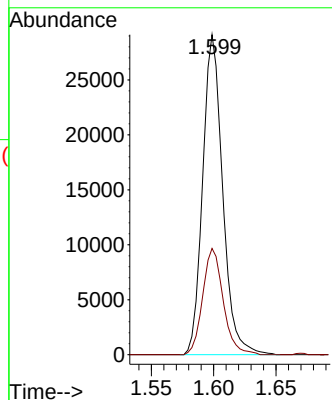
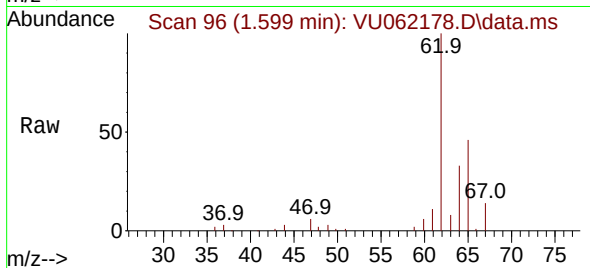
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Tgt Ion: 62 Resp: 32473

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 4.249 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU062178.D

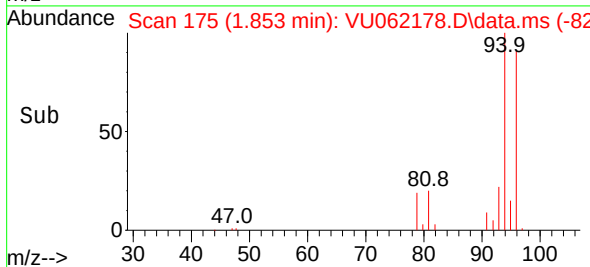
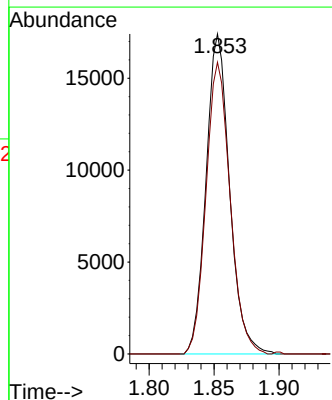
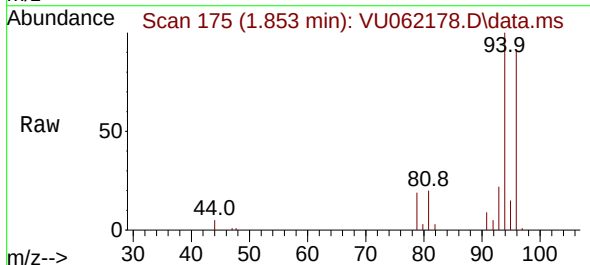
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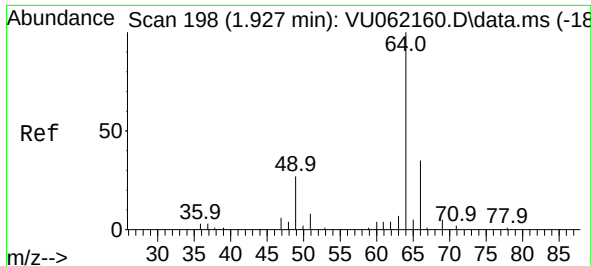
Tgt Ion: 94 Resp: 21969

Ion Ratio Lower Upper

94 100

96 91.2 64.5 119.9

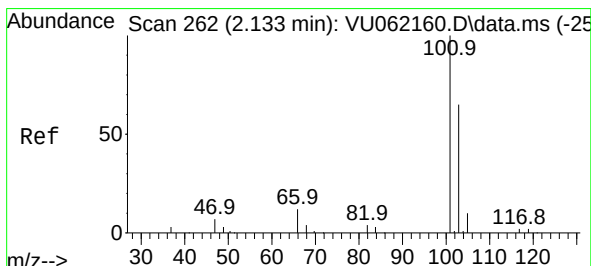
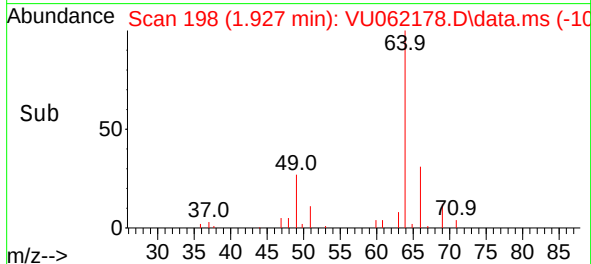
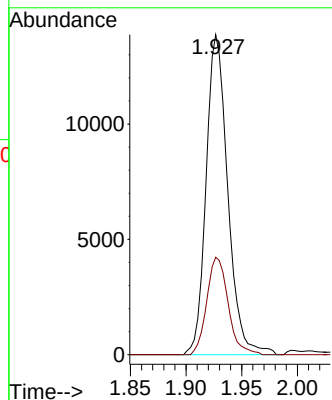
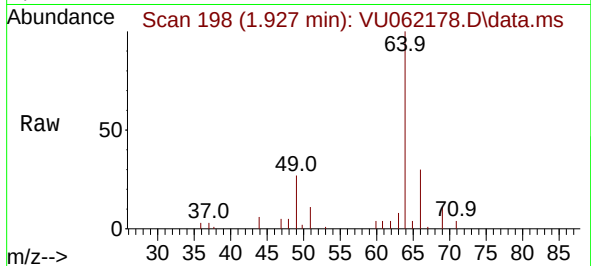




#8
Chloroethane
Concen: 4.323 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

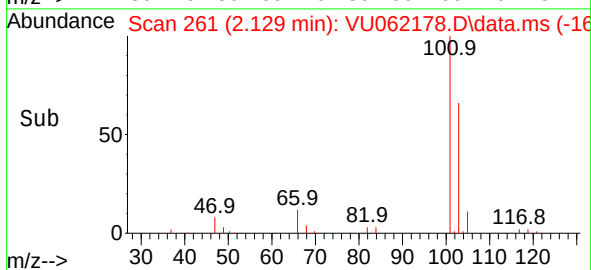
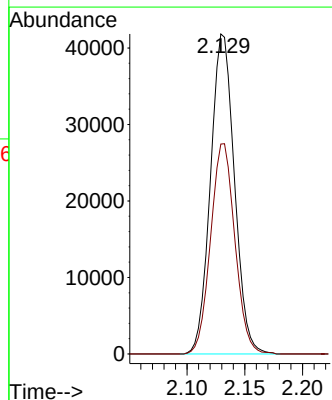
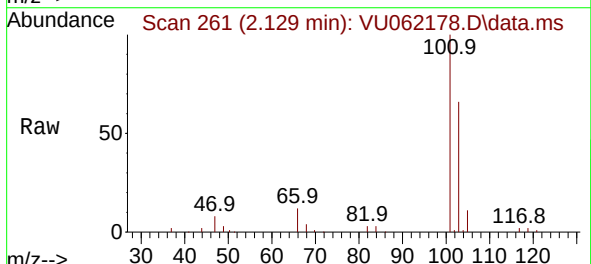
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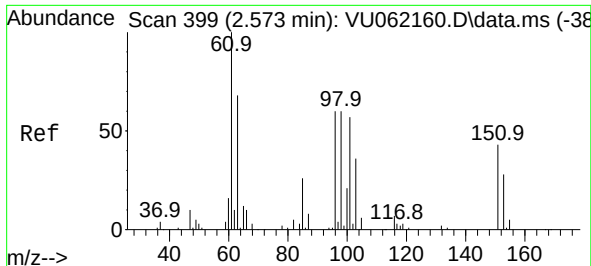
Tgt Ion: 64 Resp: 18780
Ion Ratio Lower Upper
64 100
66 30.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 4.480 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion:101 Resp: 60318
Ion Ratio Lower Upper
101 100
103 66.7 50.6 75.8

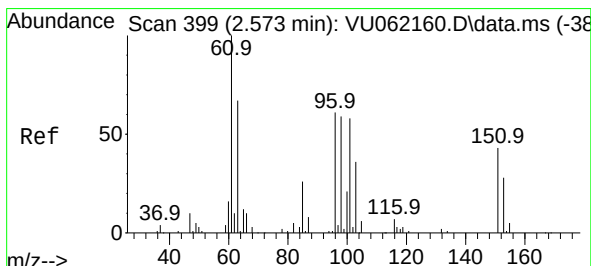
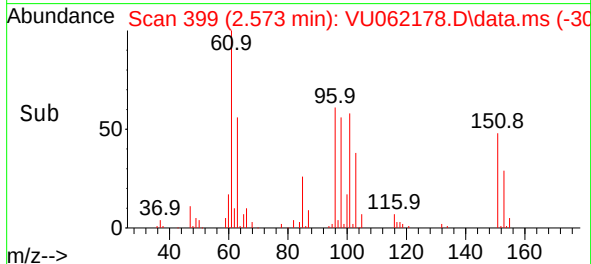
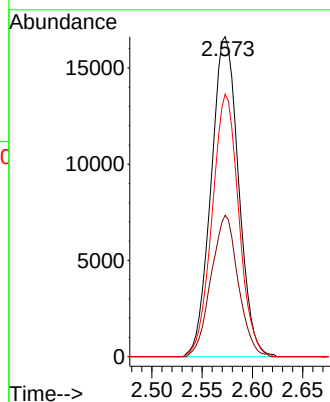
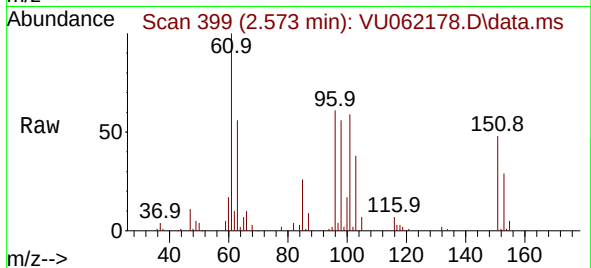




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.306 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062178.D
 Acq: 09 Dec 2024 23:30

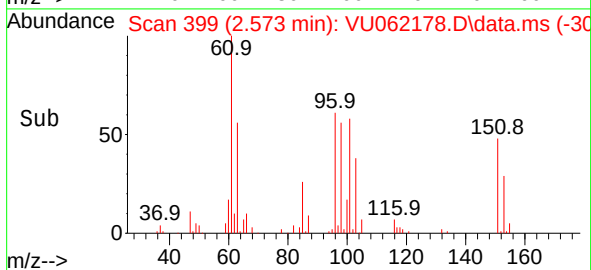
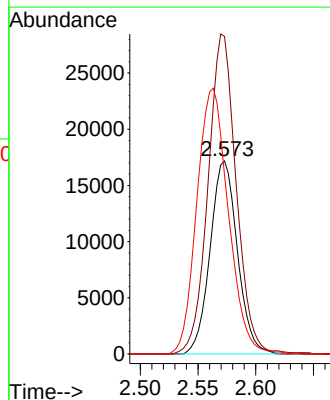
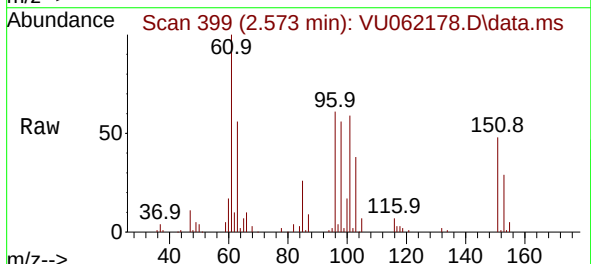
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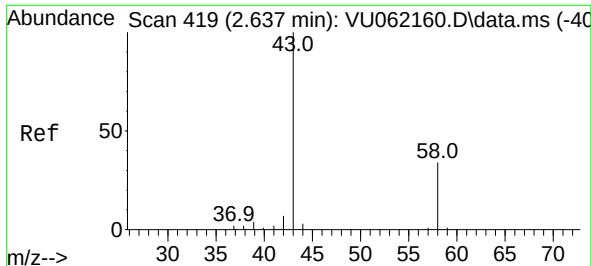
Tgt Ion:101 Resp: 31552
 Ion Ratio Lower Upper
 101 100
 85 43.6 38.0 57.0
 151 79.8 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 4.120 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062178.D
 Acq: 09 Dec 2024 23:30

Tgt Ion: 96 Resp: 28229
 Ion Ratio Lower Upper
 96 100
 61 164.6 119.6 222.2
 63 92.8 65.0 120.6





#13

Acetone

Concen: 55.530 ug/L

RT: 2.640 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

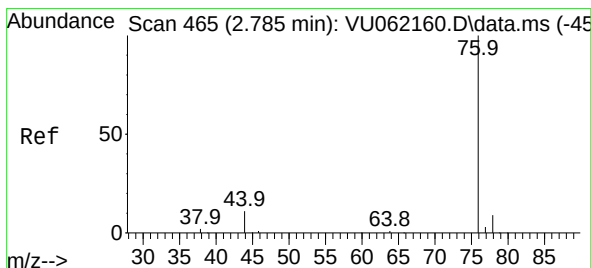
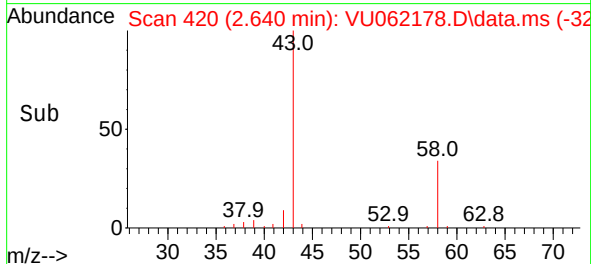
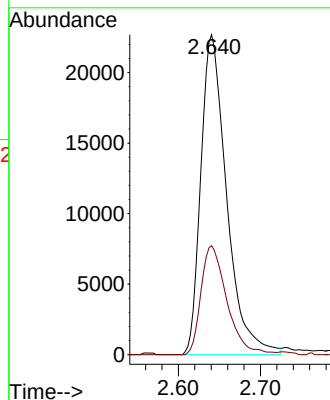
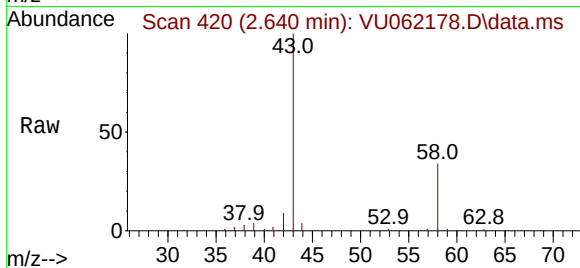
BHJ99MSD

Tgt Ion: 43 Resp: 49593

Ion Ratio Lower Upper

43 100

58 34.2 0.0 64.0



#14

Carbon disulfide

Concen: 3.656 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU062178.D

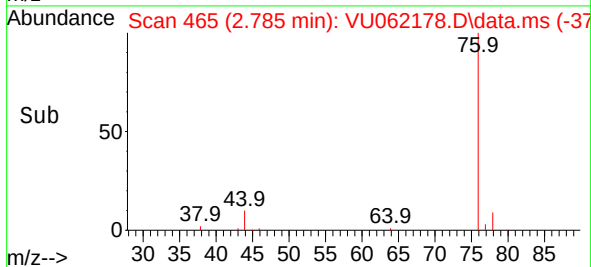
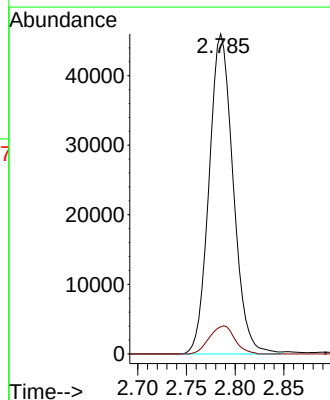
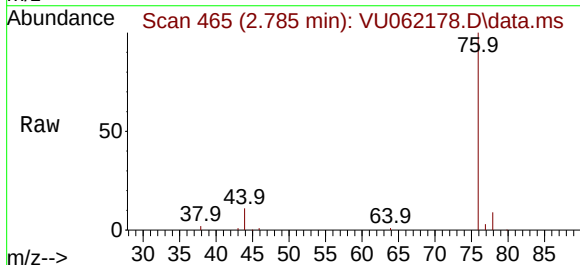
Acq: 09 Dec 2024 23:30

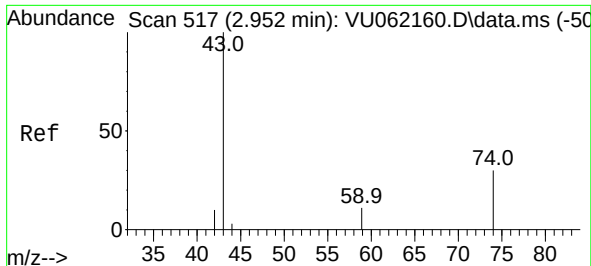
Tgt Ion: 76 Resp: 79199

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3





#15

Methyl Acetate

Concen: 3.009 ug/L

RT: 2.952 min Scan# 517

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

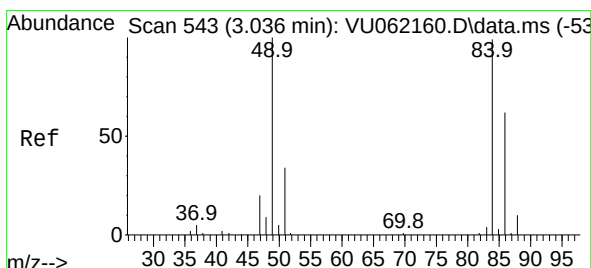
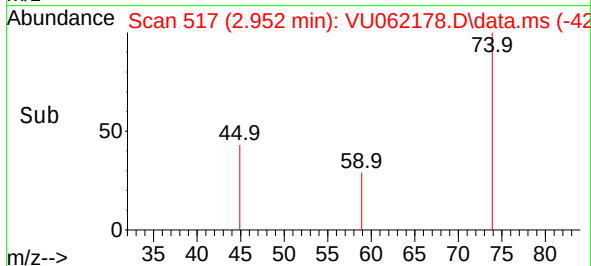
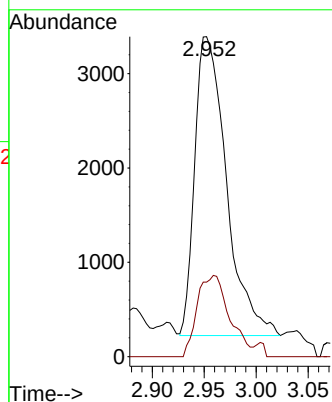
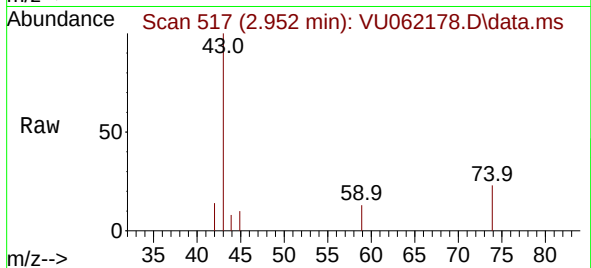
BHJ99MSD

Tgt Ion: 43 Resp: 6736

Ion Ratio Lower Upper

43 100

74 27.4 19.4 29.2



#16

Methylene chloride

Concen: 5.320 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

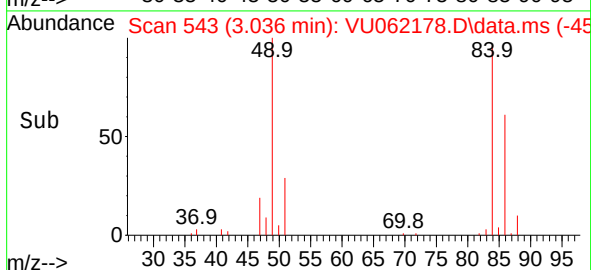
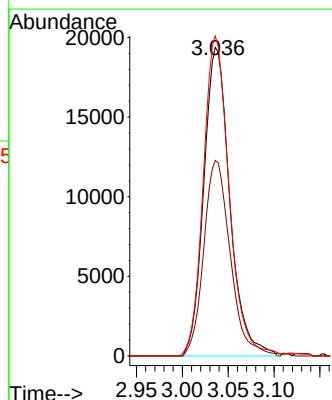
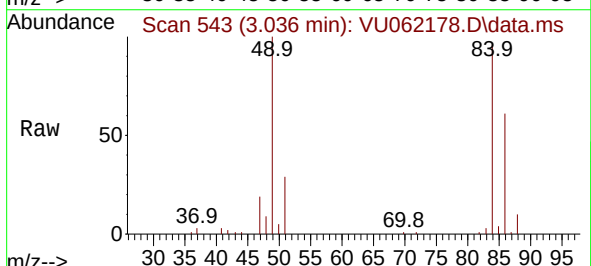
Tgt Ion: 84 Resp: 38262

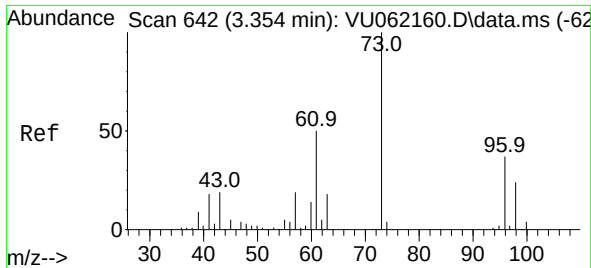
Ion Ratio Lower Upper

84 100

86 63.3 43.5 80.7

49 103.7 81.9 152.1

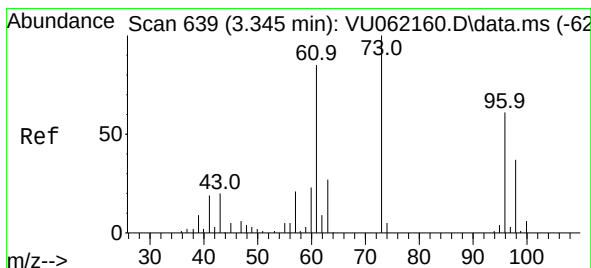
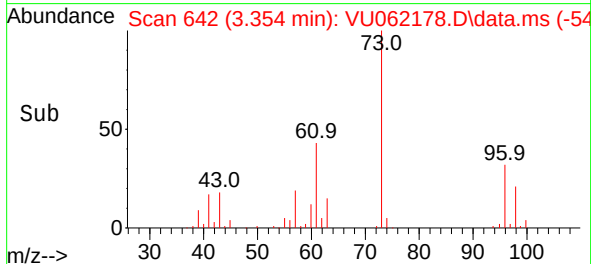
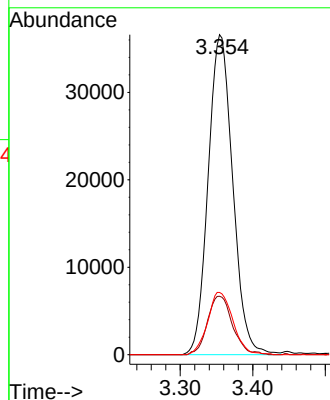
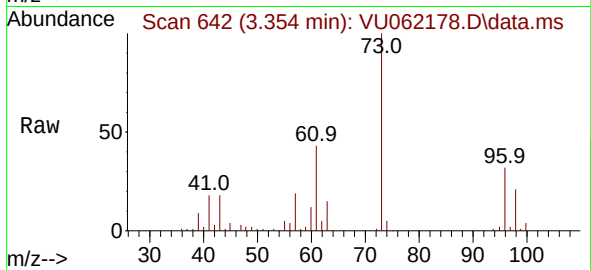




#17
Methyl tert-butyl Ether
Concen: 5.045 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

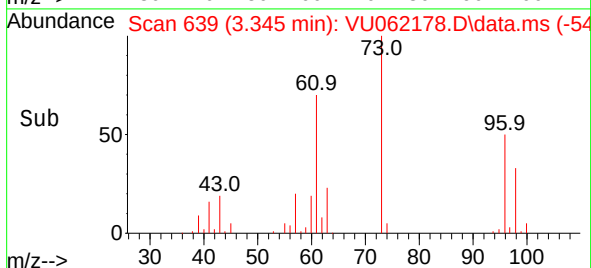
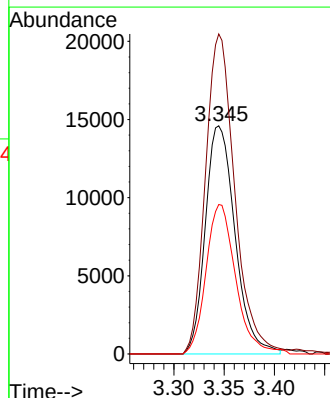
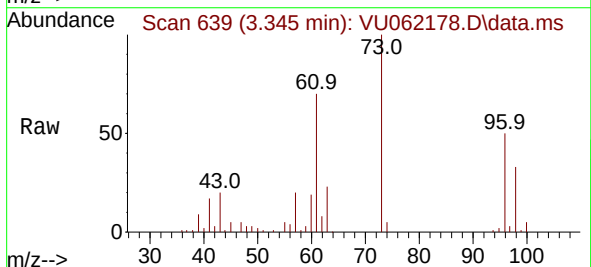
Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

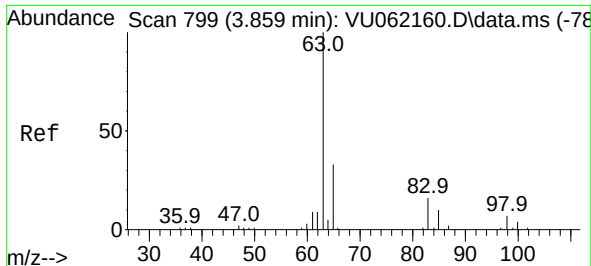
Tgt Ion: 73	Resp: 86103
Ion Ratio	Lower Upper
73 100	
43 18.4	16.3 24.5
57 20.1	17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.271 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion: 96	Resp:	30063	
Ion	Ratio	Lower	Upper
96	100		
61	140.2	104.2	193.4
98	65.5	45.7	84.9

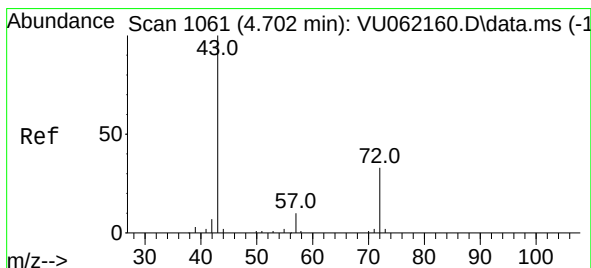
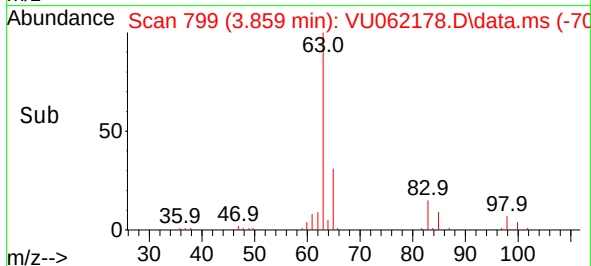
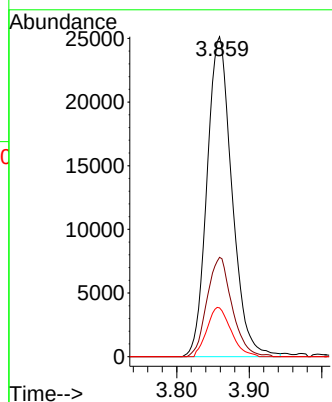
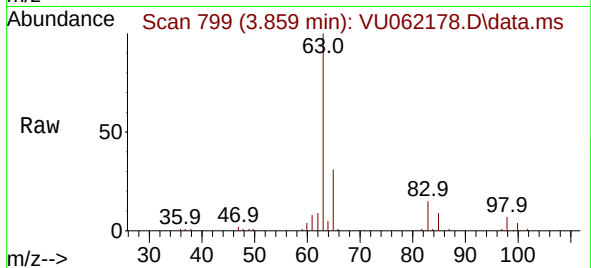




#19
1,1-Dichloroethane
Concen: 4.654 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

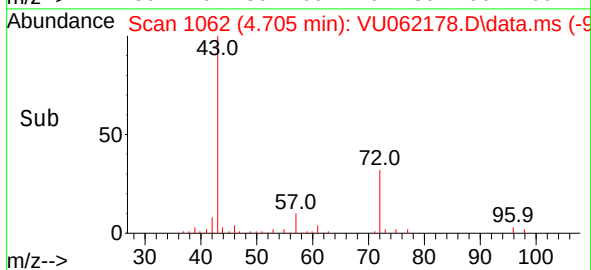
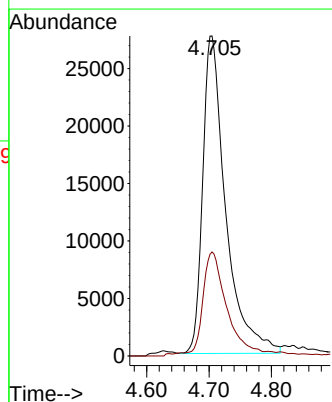
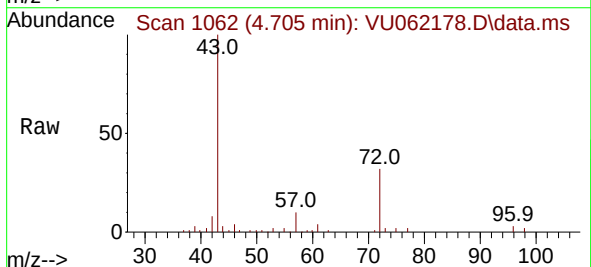
Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

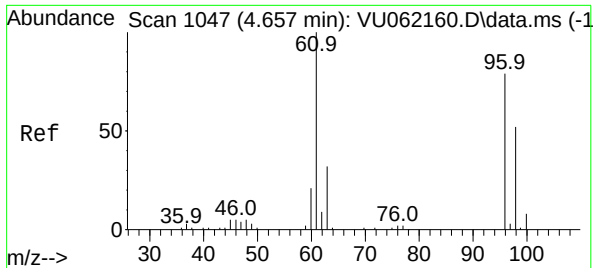
Tgt Ion: 63 Resp: 60042
Ion Ratio Lower Upper
63 100
65 31.8 22.7 42.3
83 15.3 9.9 18.3



#21
2-Butanone
Concen: 54.579 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.003 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion: 43 Resp: 70787
Ion Ratio Lower Upper
43 100
72 32.1 14.8 44.4

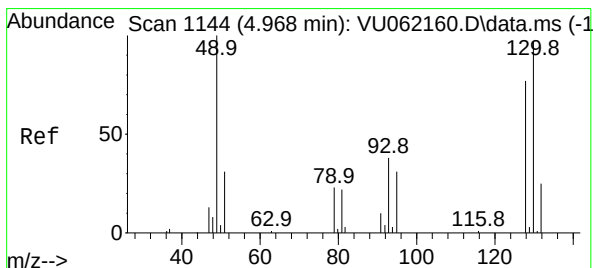
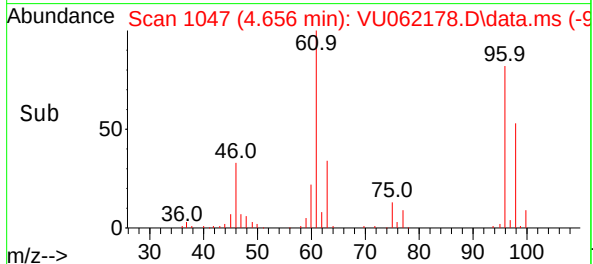
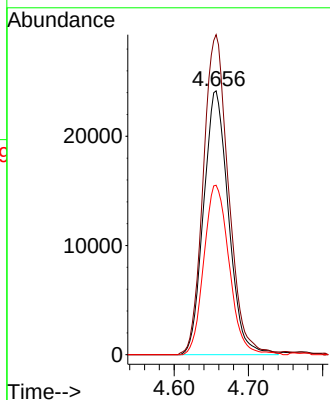
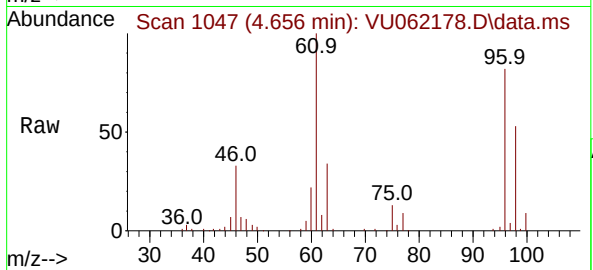




#22
 cis-1,2-Dichloroethene
 Concen: 7.145 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU062178.D
 Acq: 09 Dec 2024 23:30

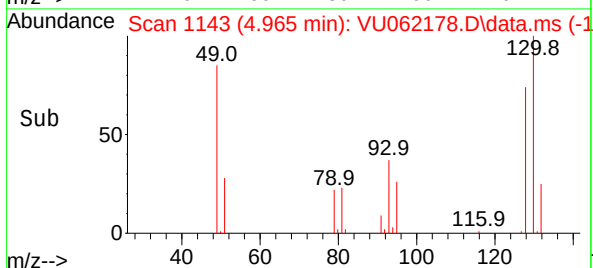
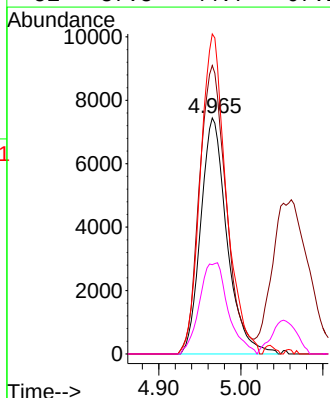
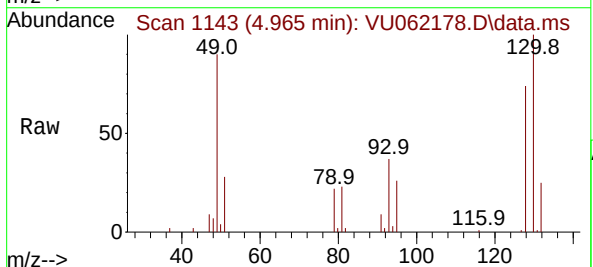
Instrument :
 MSVOA_U
 ClientSampleId :
 BHJ99MSD

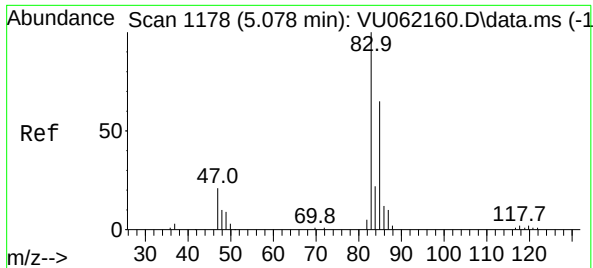
Tgt Ion: 96 Resp: 56377
 Ion Ratio Lower Upper
 96 100
 61 121.3 92.0 170.8
 98 64.2 44.5 82.7



#23
 Bromochloromethane
 Concen: 4.779 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU062178.D
 Acq: 09 Dec 2024 23:30

Tgt Ion:128 Resp: 16529
 Ion Ratio Lower Upper
 128 100
 49 122.2 115.3 214.1
 130 135.6 92.0 170.8
 51 37.8 44.7 67.1#





#25

Chloroform

Concen: 4.625 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

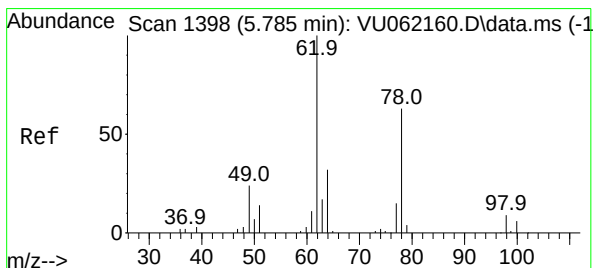
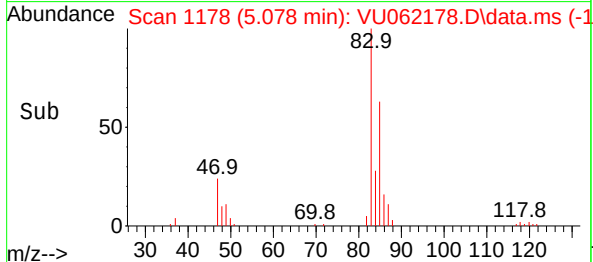
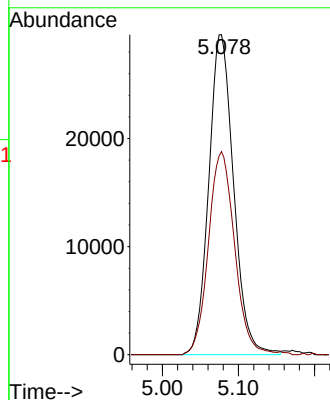
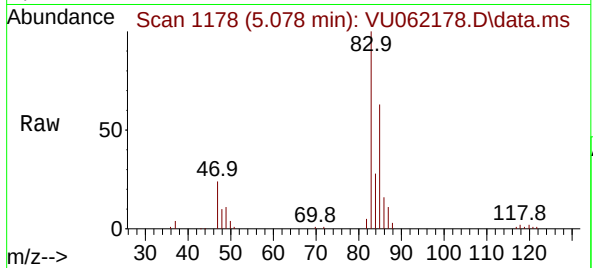
BHJ99MSD

Tgt Ion: 83 Resp: 67215

Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.616 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU062178.D

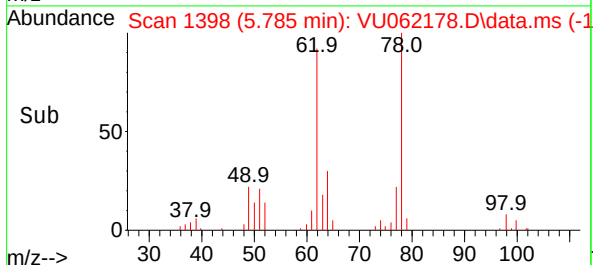
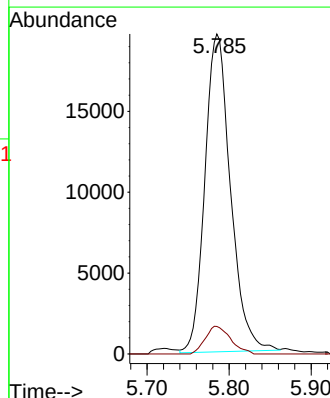
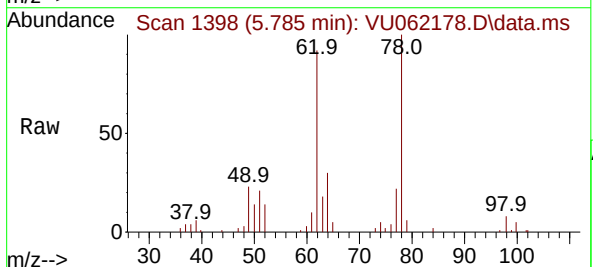
Acq: 09 Dec 2024 23:30

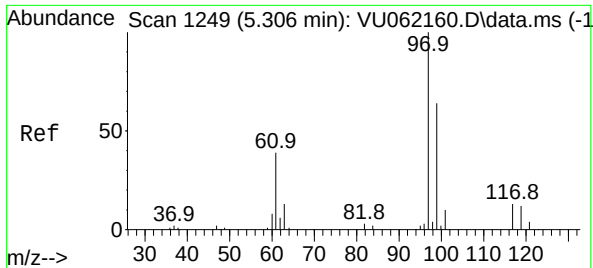
Tgt Ion: 62 Resp: 42631

Ion Ratio Lower Upper

62 100

98 8.6 7.4 11.0

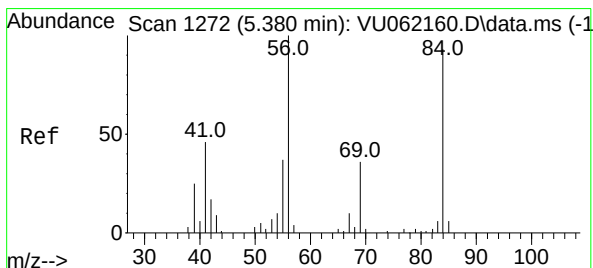
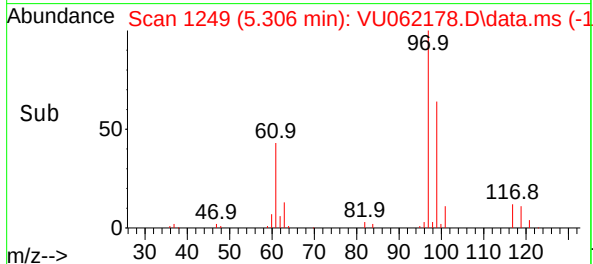
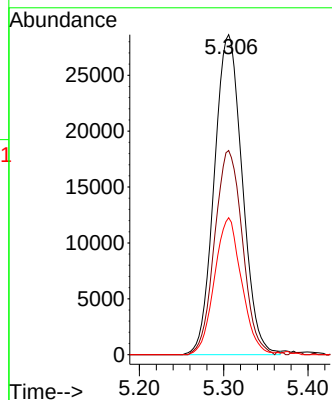
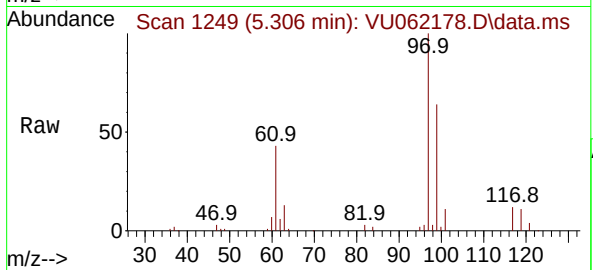




#29
1,1,1-Trichloroethane
Concen: 4.879 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

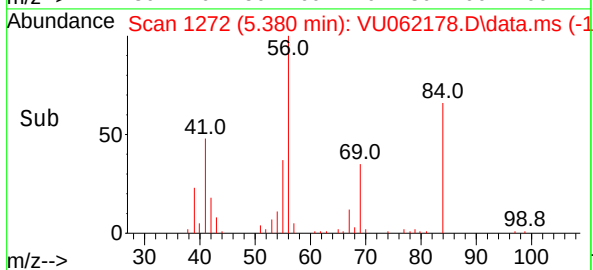
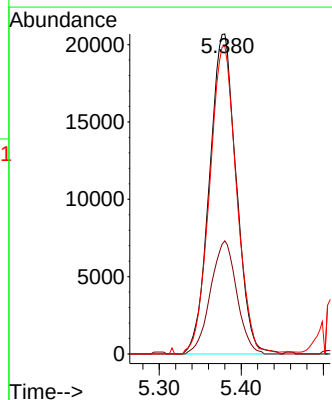
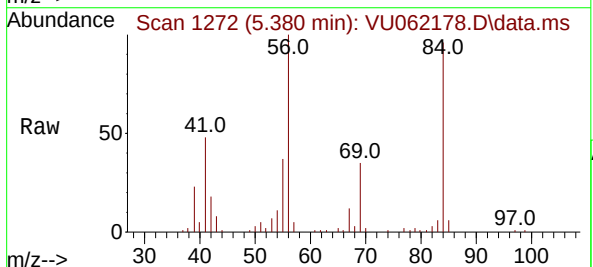
Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

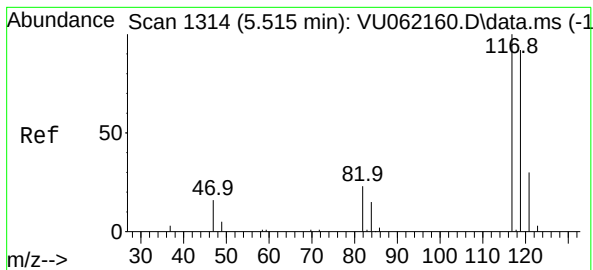
Tgt Ion:	97	Resp:	66154
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.4	77.2
61	41.5	37.8	56.6



#30
Cyclohexane
Concen: 4.266 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion:	56	Resp:	46903
Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.1	37.7
84	96.8	70.6	105.8

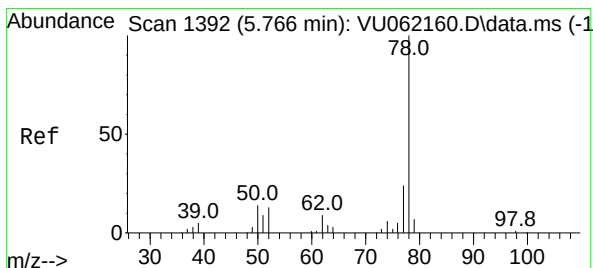
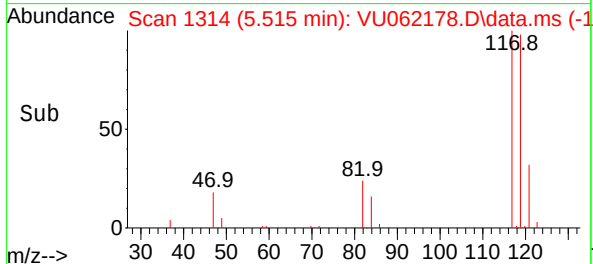
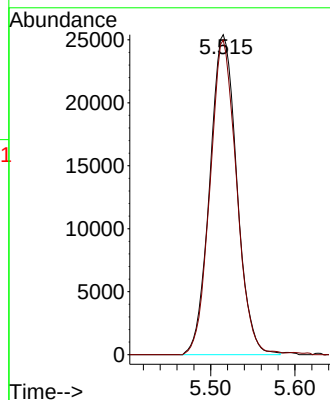
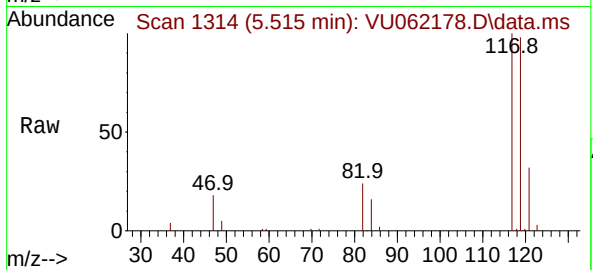




#31
Carbon tetrachloride
Concen: 4.554 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

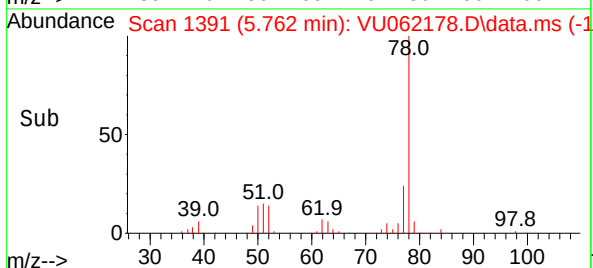
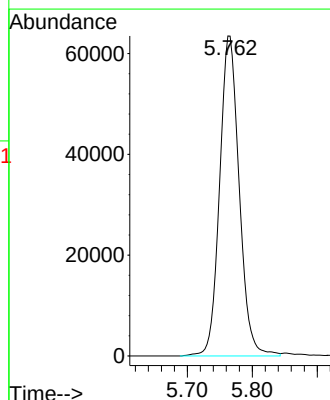
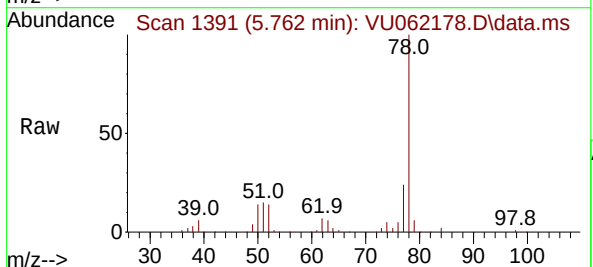
Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

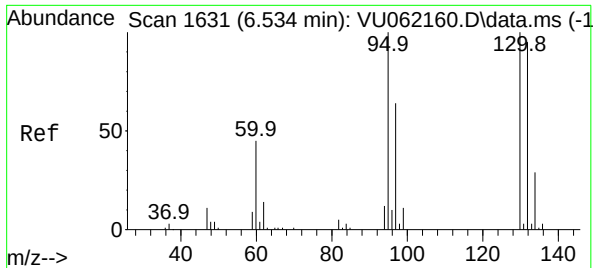
Tgt Ion:117 Resp: 56619
Ion Ratio Lower Upper
117 100
119 96.3 77.5 116.3



#33
Benzene
Concen: 4.440 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion: 78 Resp: 132601

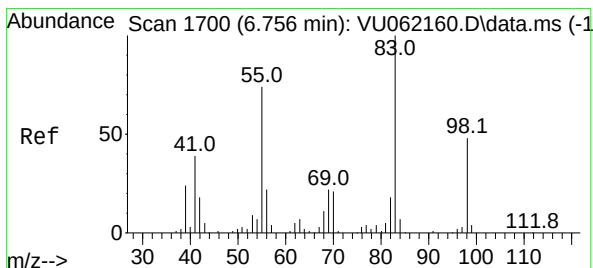
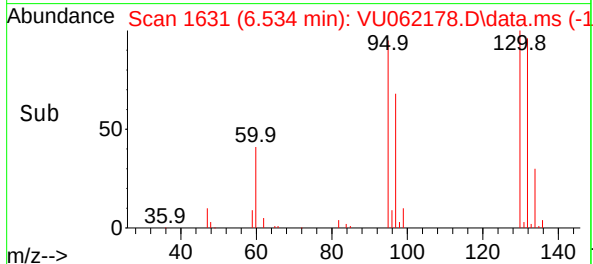
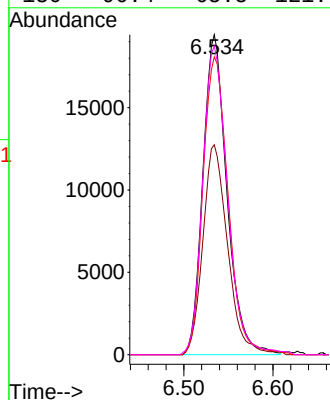
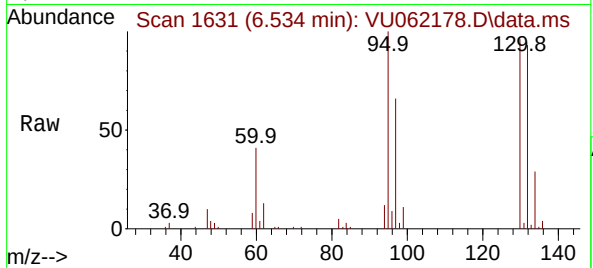




#34
Trichloroethene
Concen: 4.313 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

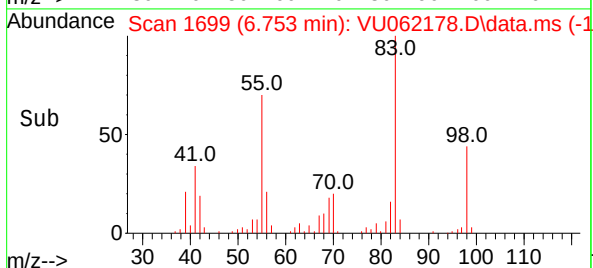
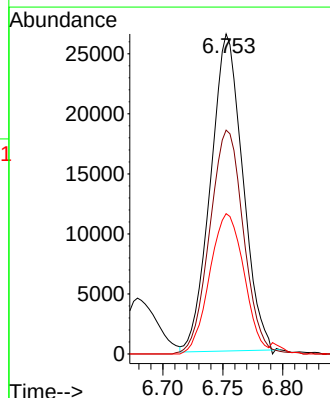
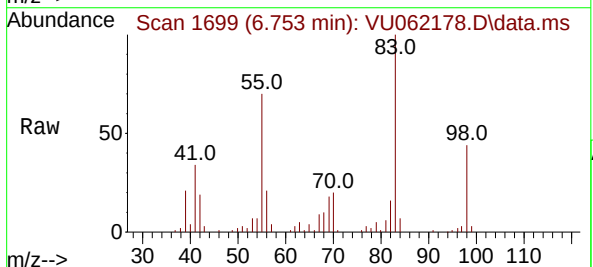
Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

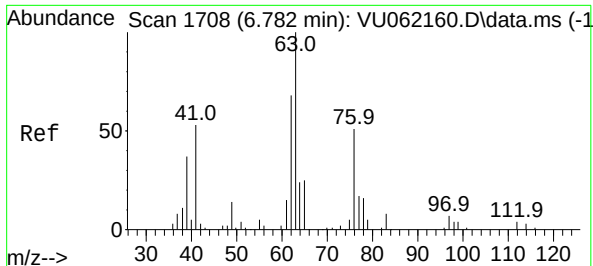
Tgt Ion: 95 Resp: 36489
Ion Ratio Lower Upper
95 100
97 65.6 45.9 85.3
132 93.0 63.8 118.4
130 96.4 65.5 121.7



#35
Methylcyclohexane
Concen: 3.928 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion: 83 Resp: 49273
Ion Ratio Lower Upper
83 100
55 74.3 60.7 91.1
98 47.2 34.8 52.2

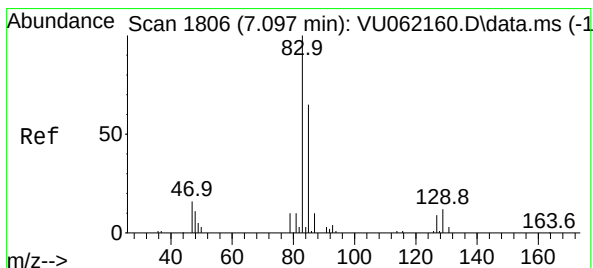
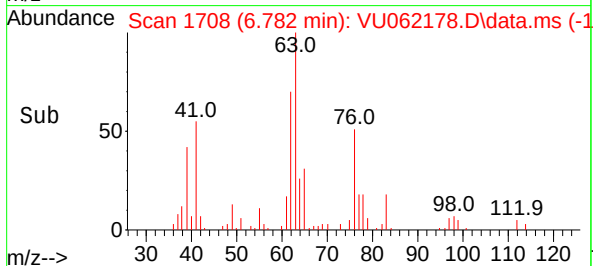
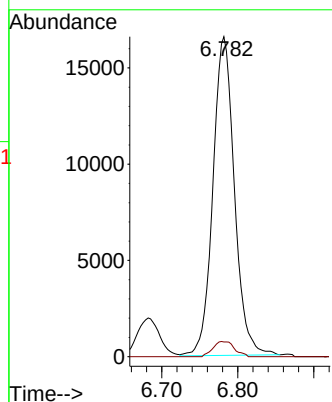
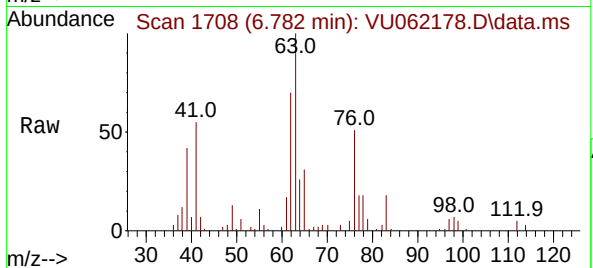




#37
1,2-Dichloropropane
Concen: 4.474 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

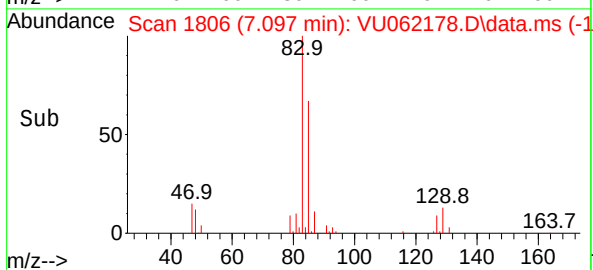
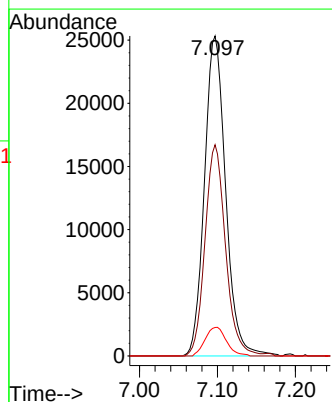
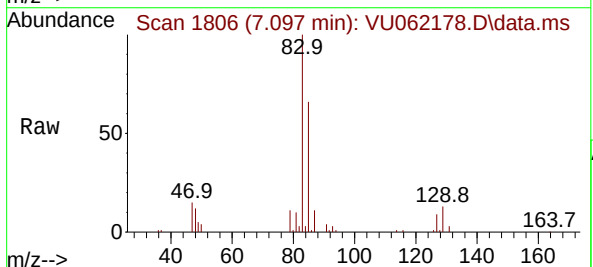
Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

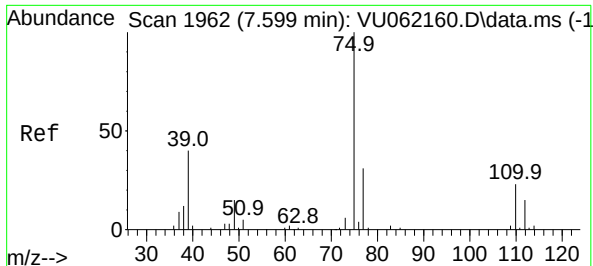
Tgt Ion: 63 Resp: 32542
Ion Ratio Lower Upper
63 100
112 4.8 3.4 5.0



#38
Bromodichloromethane
Concen: 4.668 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion: 83 Resp: 47896
Ion Ratio Lower Upper
83 100
85 66.0 44.1 81.9
127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.406 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

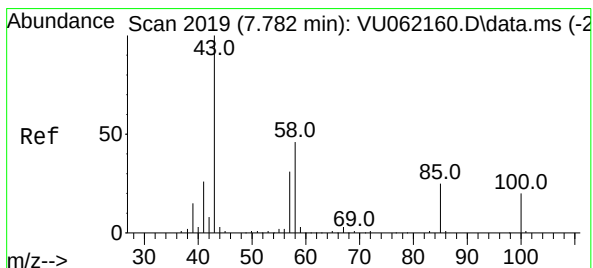
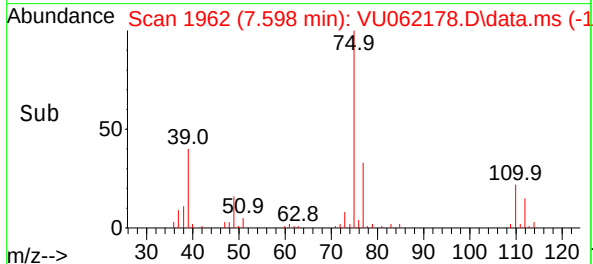
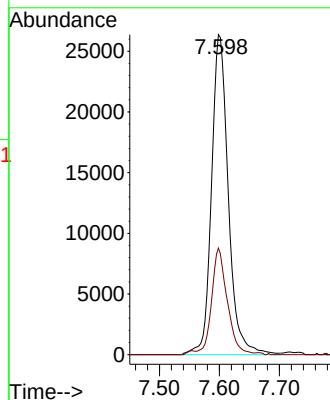
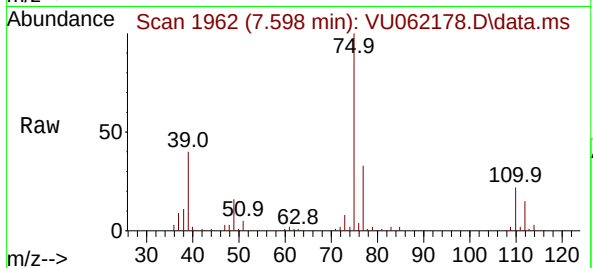
BHJ99MSD

Tgt Ion: 75 Resp: 51366

Ion Ratio Lower Upper

75 100

77 33.3 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 53.030 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

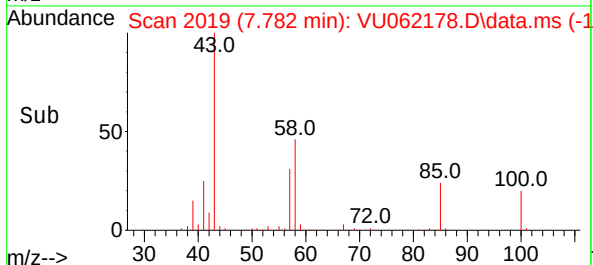
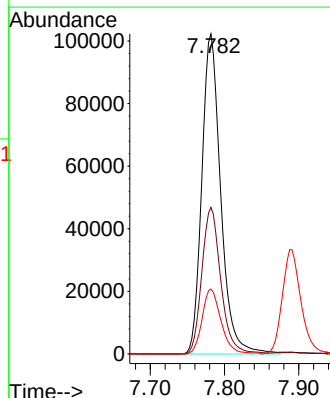
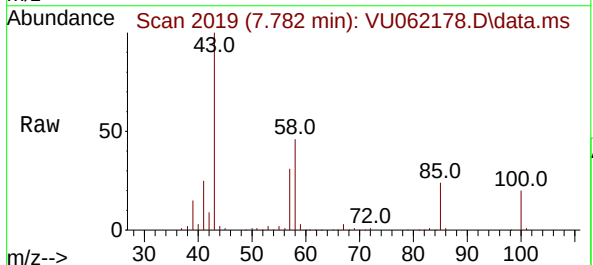
Tgt Ion: 43 Resp: 180761

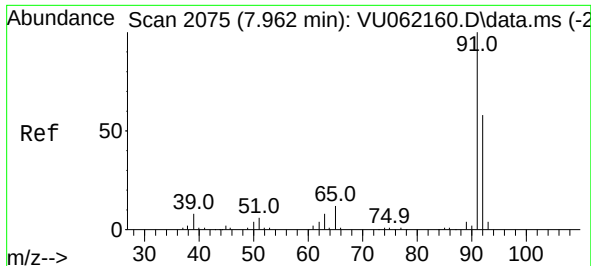
Ion Ratio Lower Upper

43 100

58 45.9 33.3 49.9

100 20.2 12.4 18.6#





#42

Toluene

Concen: 4.514 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

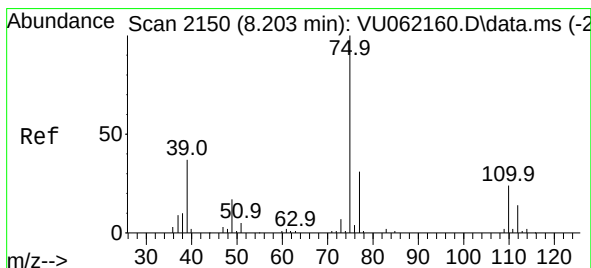
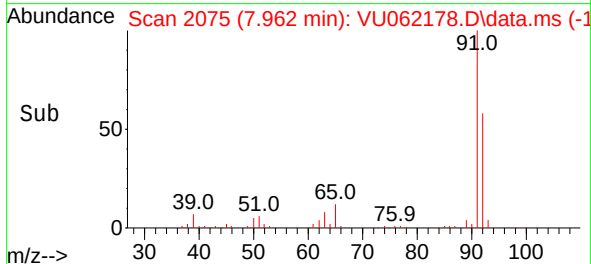
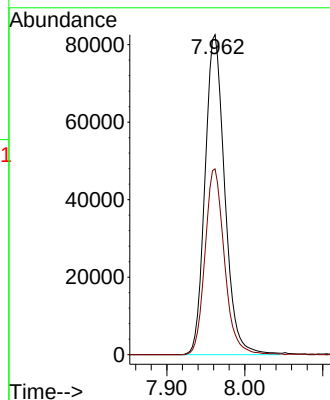
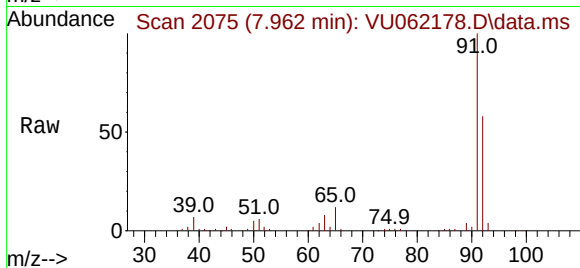
BHJ99MSD

Tgt Ion: 91 Resp: 145365

Ion Ratio Lower Upper

91 100

92 58.1 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 4.515 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU062178.D

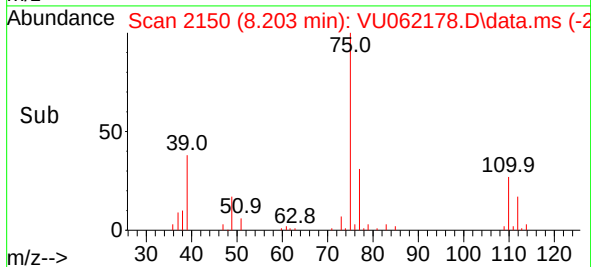
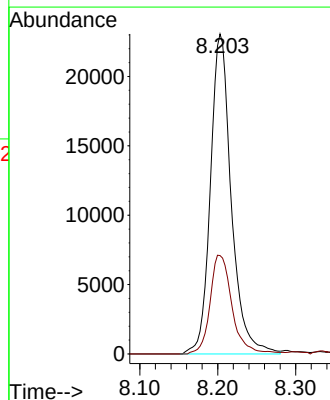
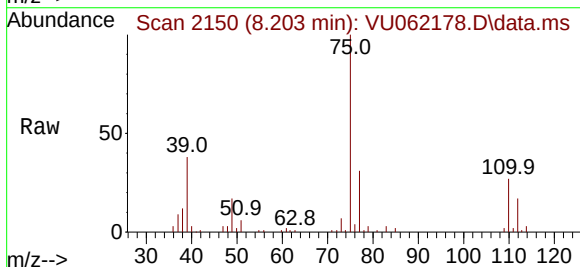
Acq: 09 Dec 2024 23:30

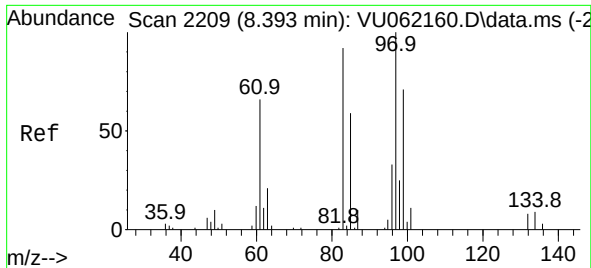
Tgt Ion: 75 Resp: 42985

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 4.940 ug/L

RT: 8.389 min Scan# 2209

Delta R.T. -0.003 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

BHJ99MSD

Tgt Ion: 97 Resp: 27123

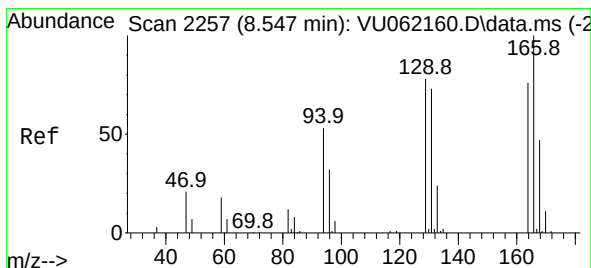
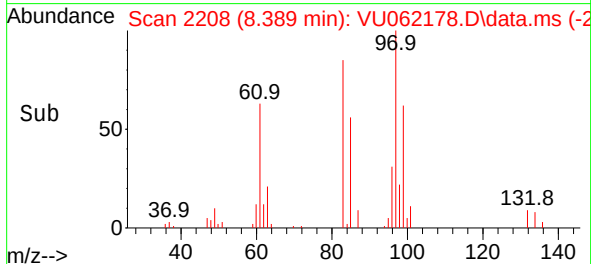
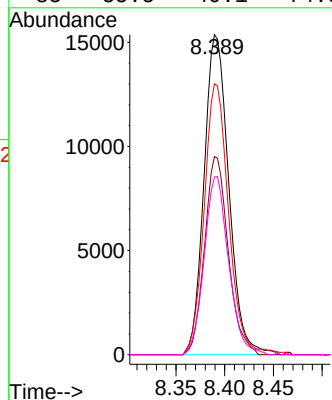
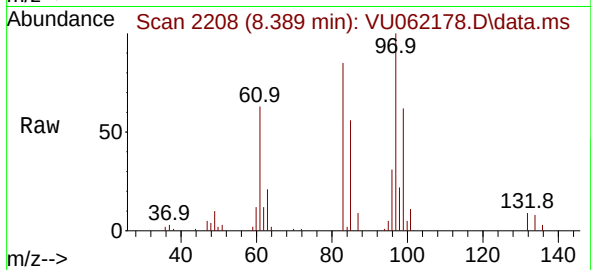
Ion Ratio Lower Upper

97 100

99 61.9 43.0 79.8

83 84.7 61.7 114.5

85 55.5 40.1 74.5



#47

Tetrachloroethene

Concen: 4.387 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Tgt Ion:164 Resp: 28655

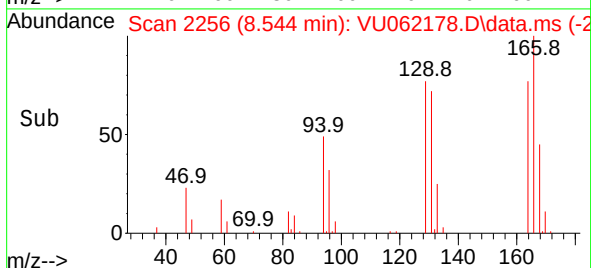
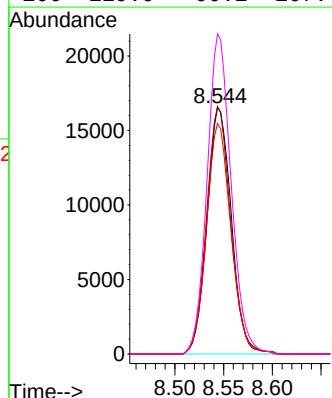
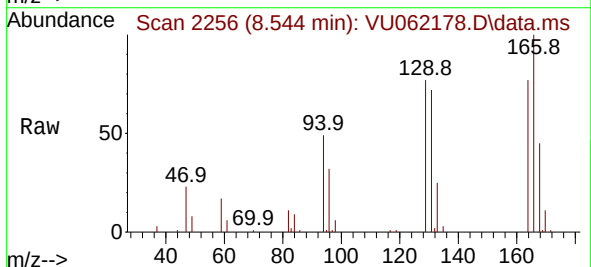
Ion Ratio Lower Upper

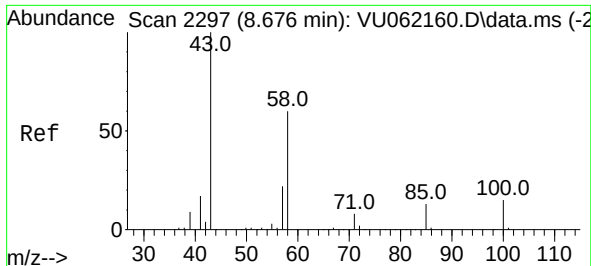
164 100

129 100.5 73.2 136.0

131 93.6 72.3 134.3

166 129.9 90.2 167.4





#48

2-Hexanone

Concen: 52.742 ug/L

RT: 8.676 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

BHJ99MSD

Tgt Ion: 43 Resp: 132862

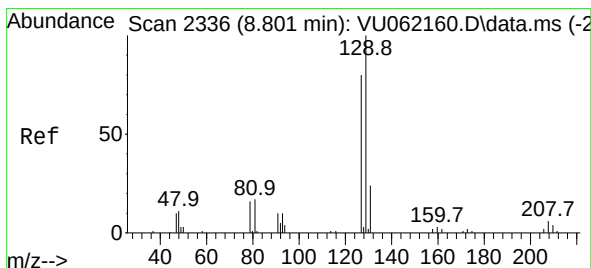
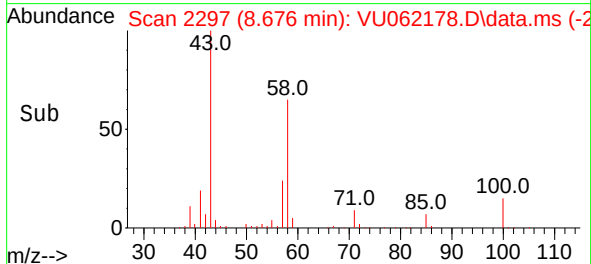
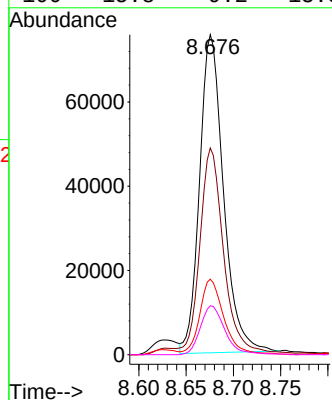
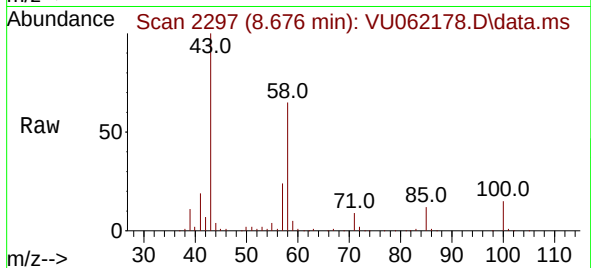
Ion Ratio Lower Upper

43 100

58 64.2 47.5 71.3

57 24.1 15.6 23.4#

100 15.8 9.2 13.8#



#49

Dibromochloromethane

Concen: 5.089 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VU062178.D

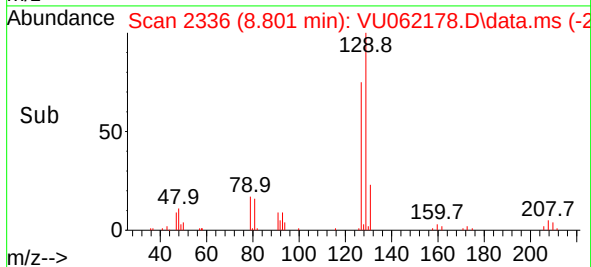
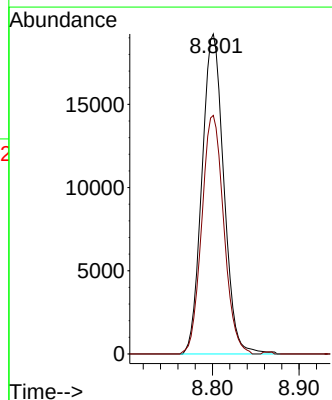
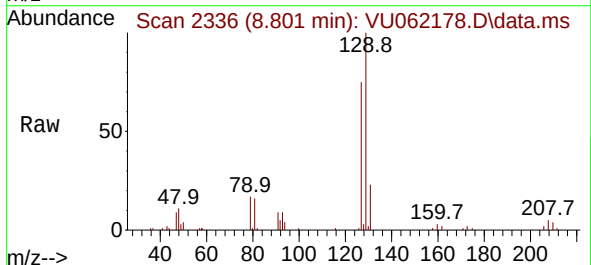
Acq: 09 Dec 2024 23:30

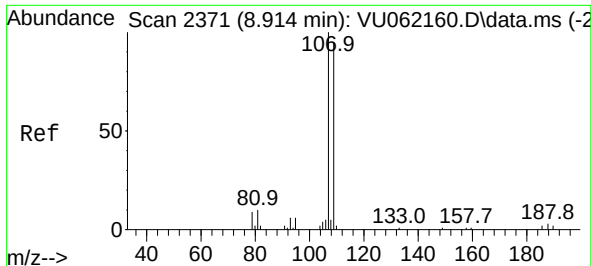
Tgt Ion: 129 Resp: 33757

Ion Ratio Lower Upper

129 100

127 74.6 51.1 94.9





#50

1,2-Dibromoethane

Concen: 4.842 ug/L

RT: 8.917 min Scan# 24

Delta R.T. 0.003 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

BHJ99MSD

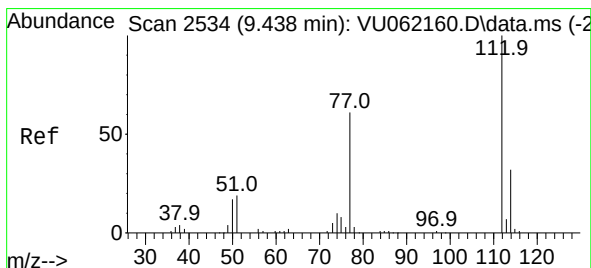
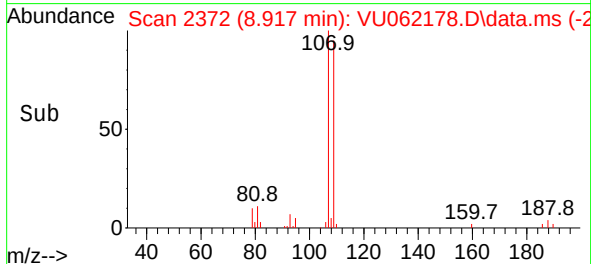
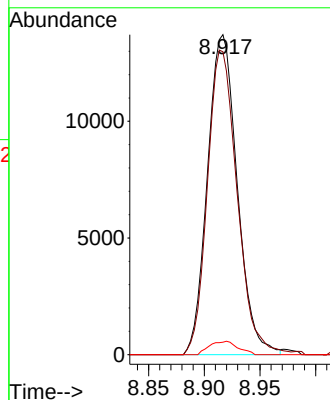
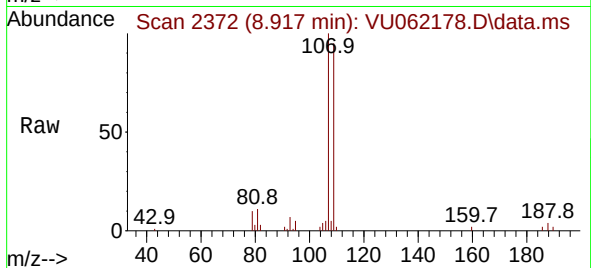
Tgt Ion:107 Resp: 25544

Ion Ratio Lower Upper

107 100

109 94.7 66.8 124.2

188 3.9 2.3 3.5#



#51

Chlorobenzene

Concen: 4.520 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

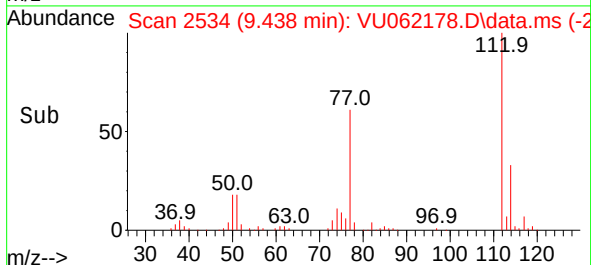
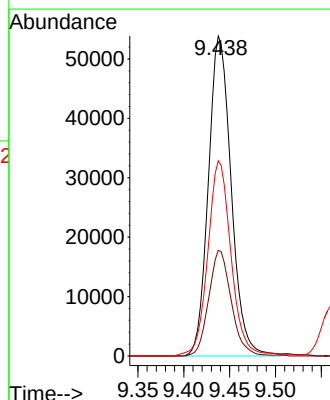
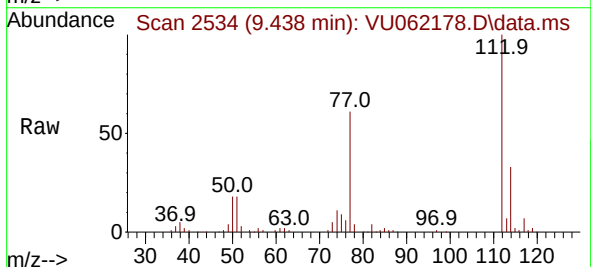
Tgt Ion:112 Resp: 93264

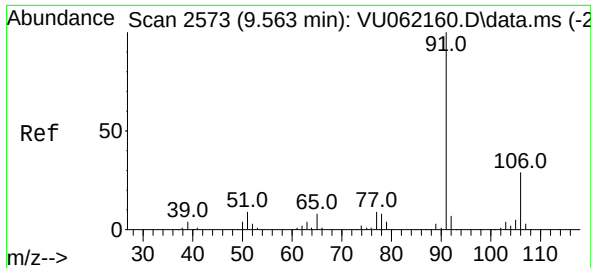
Ion Ratio Lower Upper

112 100

114 33.0 23.0 42.6

77 61.0 50.5 75.7

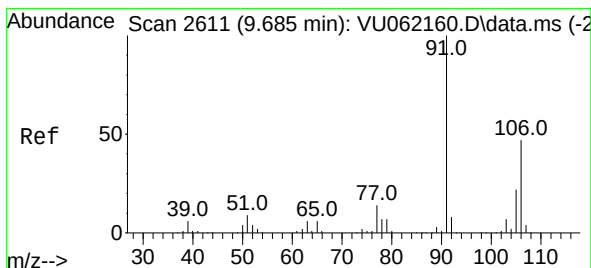
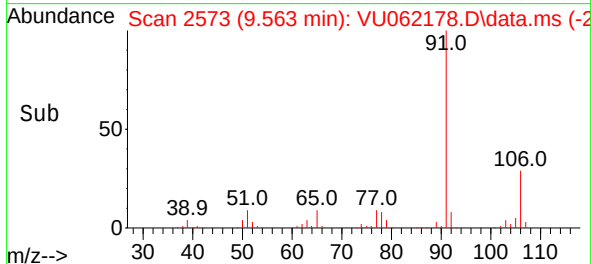
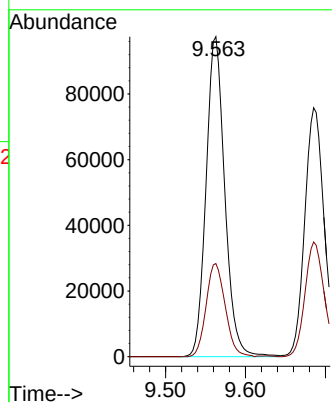
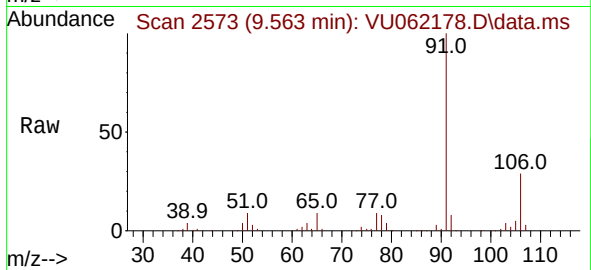




#52
Ethylbenzene
Concen: 4.393 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

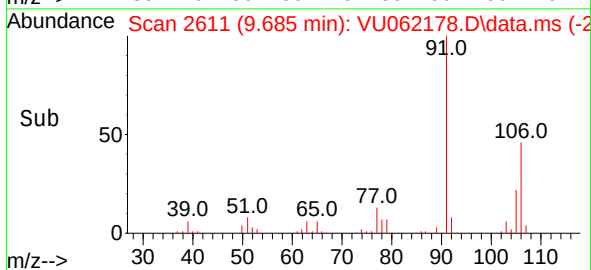
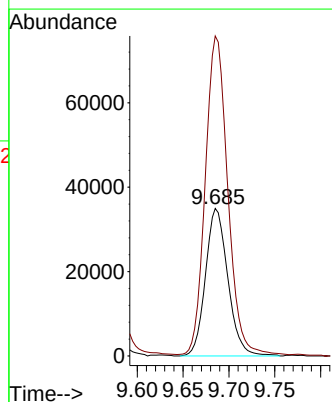
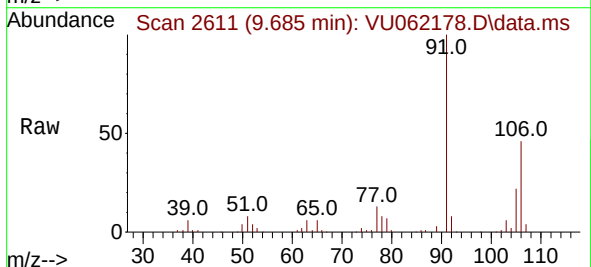
Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

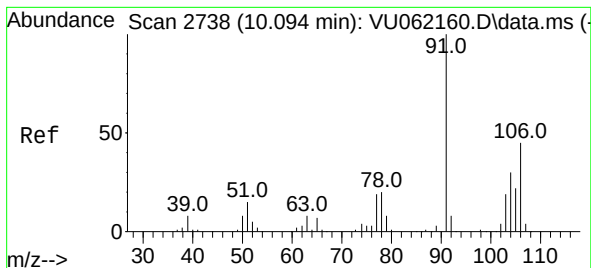
Tgt Ion: 91 Resp: 158609
Ion Ratio Lower Upper
91 100
106 29.1 21.6 40.0



#53
m,p-Xylene
Concen: 4.456 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion: 106 Resp: 59403
Ion Ratio Lower Upper
106 100
91 216.9 147.6 274.0





#54

o-Xylene

Concen: 4.618 ug/L

RT: 10.090 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

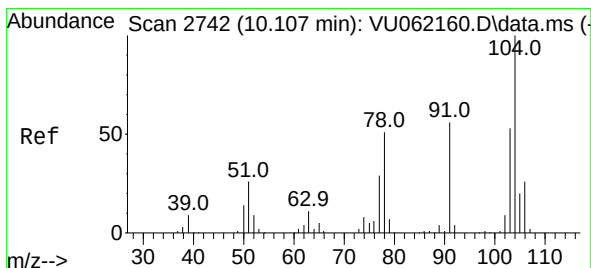
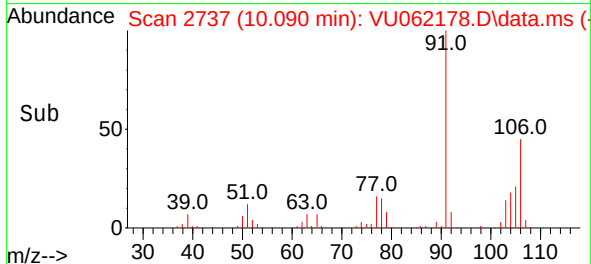
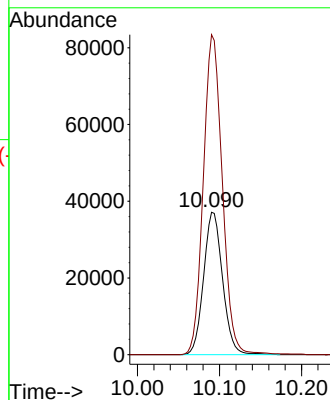
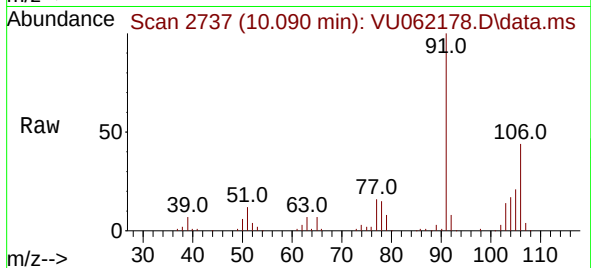
BHJ99MSD

Tgt Ion:106 Resp: 59877

Ion Ratio Lower Upper

106 100

91 224.7 159.8 296.8



#55

Styrene

Concen: 4.106 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU062178.D

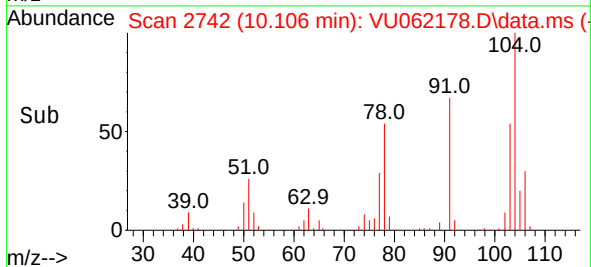
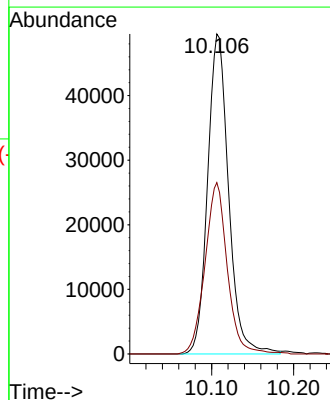
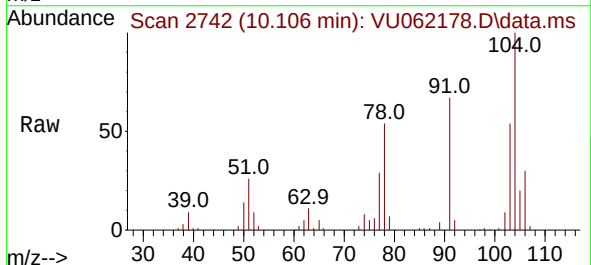
Acq: 09 Dec 2024 23:30

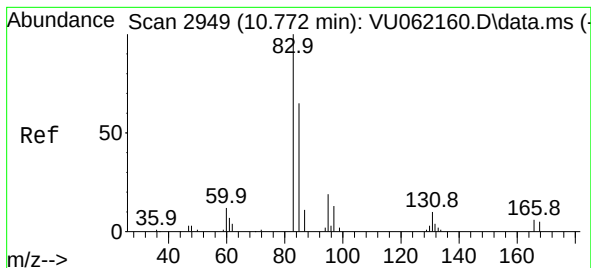
Tgt Ion:104 Resp: 87764

Ion Ratio Lower Upper

104 100

78 53.6 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.133 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

BHJ99MSD

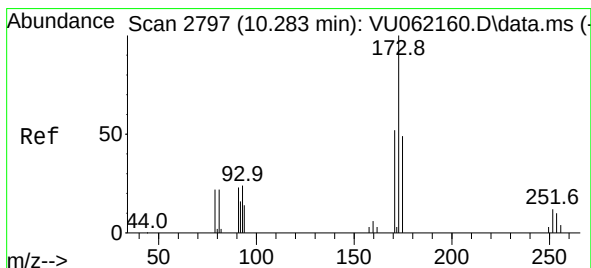
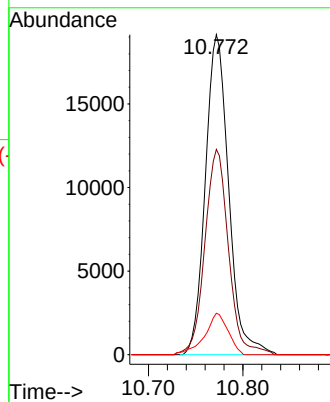
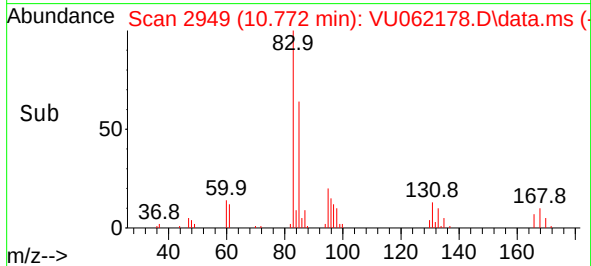
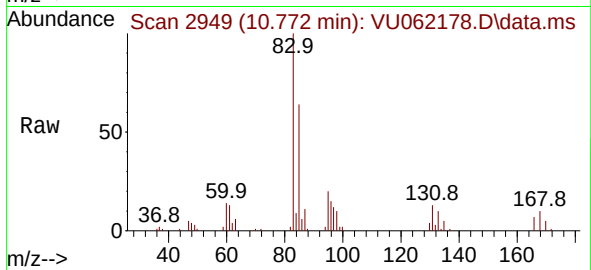
Tgt Ion: 83 Resp: 32800

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.4

131 12.9 7.3 10.9#



#59

Bromoform

Concen: 5.177 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

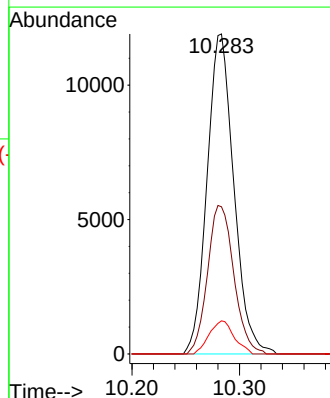
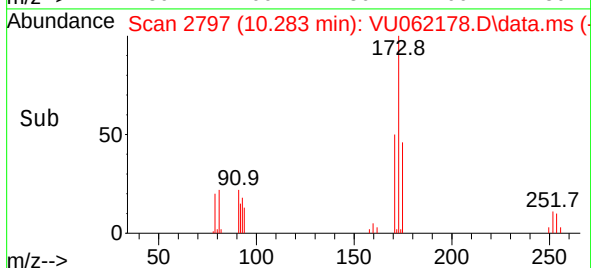
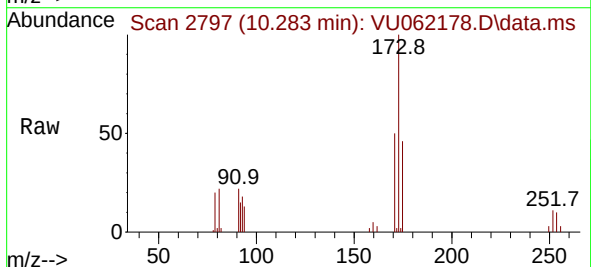
Tgt Ion:173 Resp: 20521

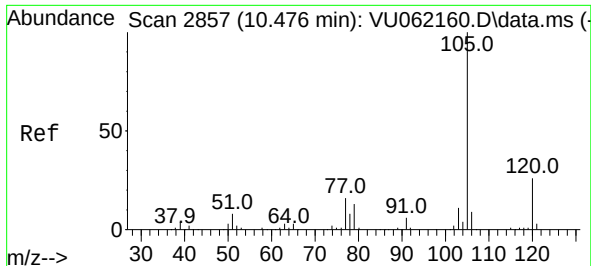
Ion Ratio Lower Upper

173 100

175 45.7 39.0 58.4

254 9.7 7.4 11.0

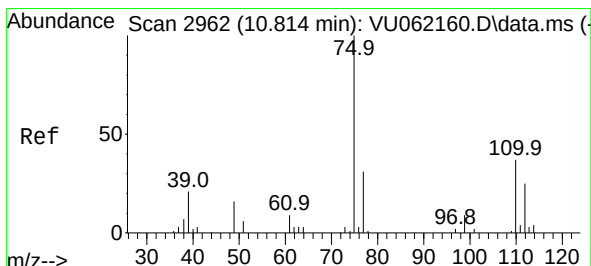
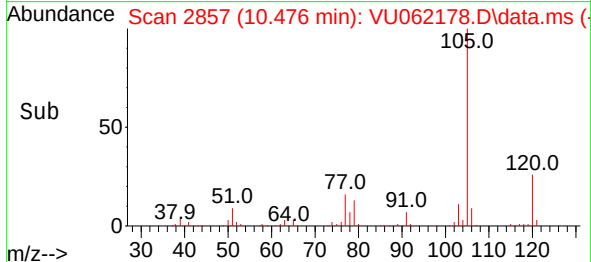
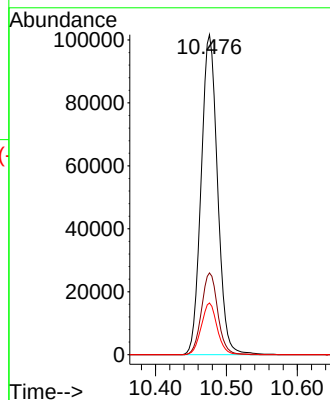
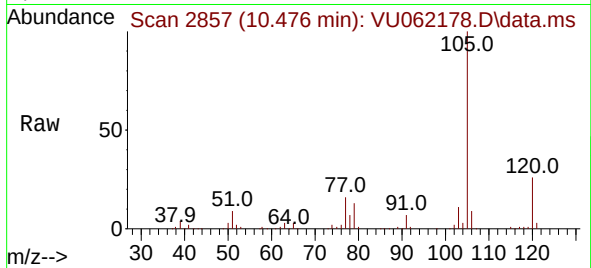




#60
Isopropylbenzene
Concen: 4.479 ug/L
RT: 10.476 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

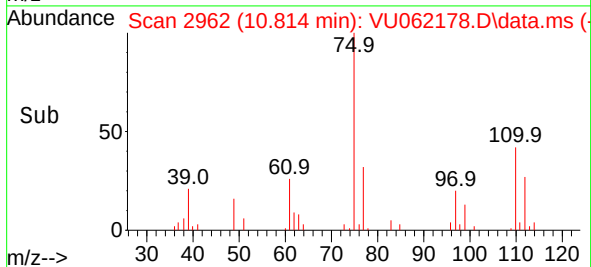
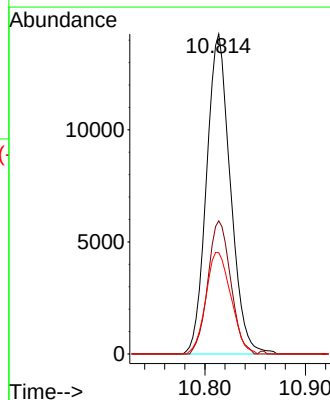
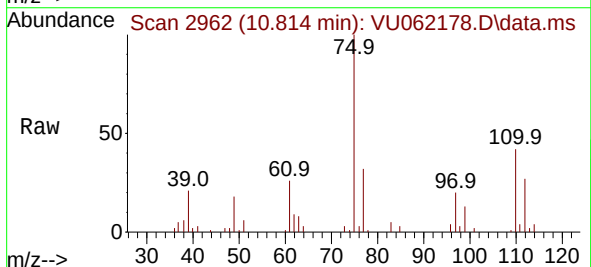
Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

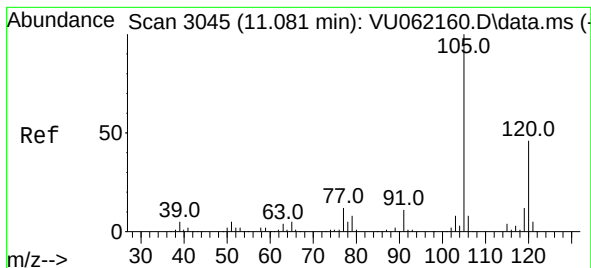
Tgt Ion:105 Resp: 163220
Ion Ratio Lower Upper
105 100
120 25.3 20.6 31.0
77 15.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.044 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion: 75 Resp: 23525
Ion Ratio Lower Upper
75 100
110 39.7 28.9 43.3
77 33.4 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 4.311 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

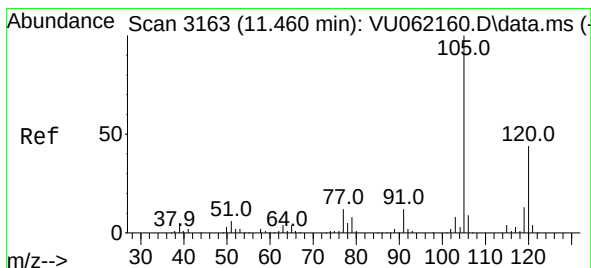
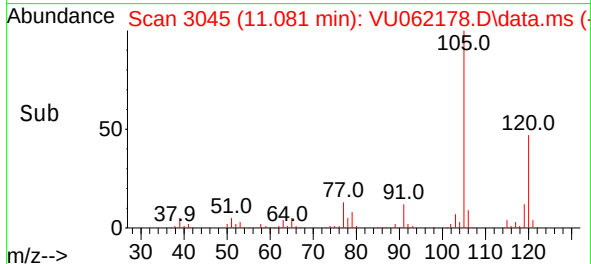
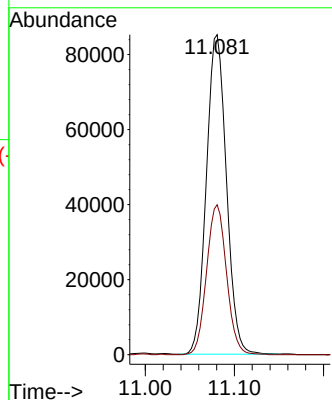
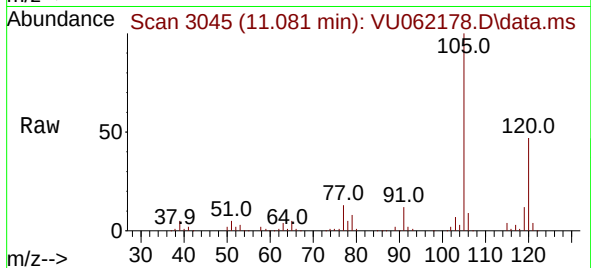
BHJ99MSD

Tgt Ion:105 Resp: 132940

Ion Ratio Lower Upper

105 100

120 46.7 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.206 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU062178.D

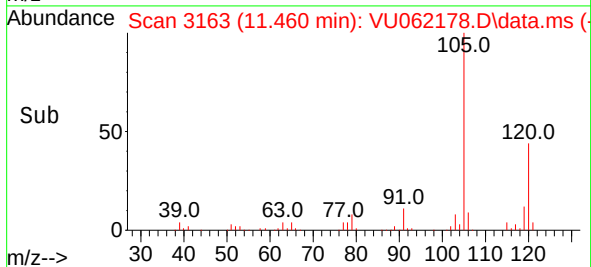
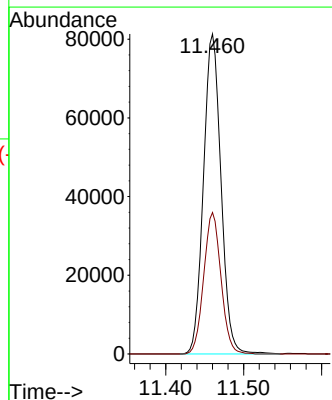
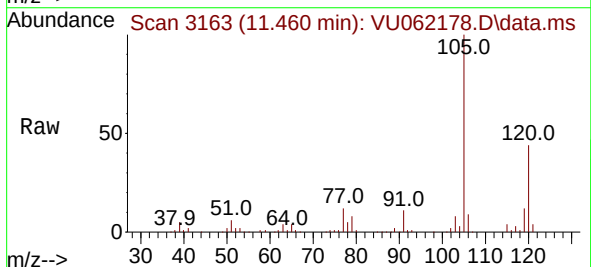
Acq: 09 Dec 2024 23:30

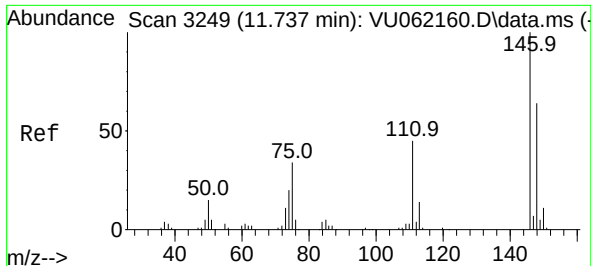
Tgt Ion:105 Resp: 127065

Ion Ratio Lower Upper

105 100

120 43.5 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.548 ug/L

RT: 11.740 min Scan# 3249

Delta R.T. 0.003 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

BHJ99MSD

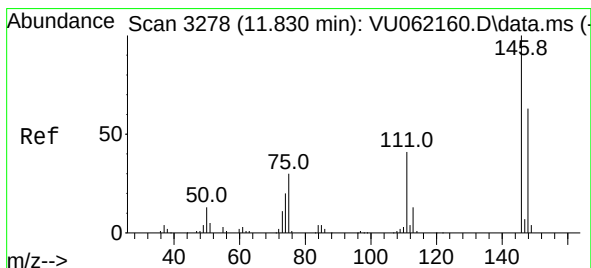
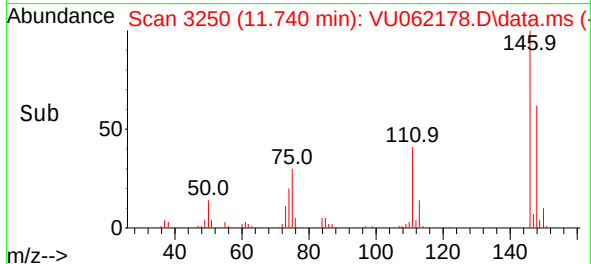
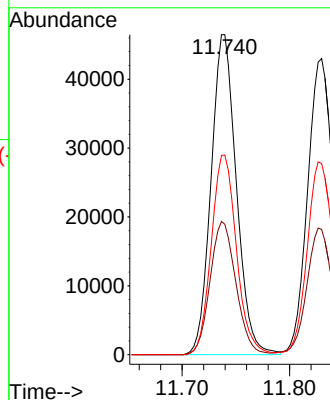
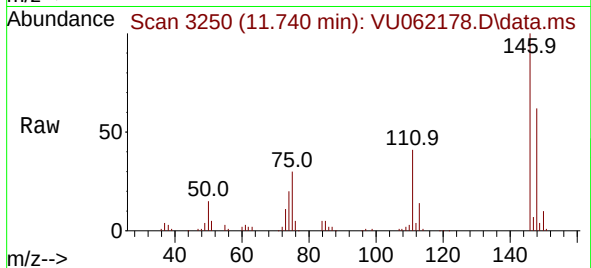
Tgt Ion:146 Resp: 76125

Ion Ratio Lower Upper

146 100

111 40.7 30.7 57.1

148 62.4 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 4.278 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

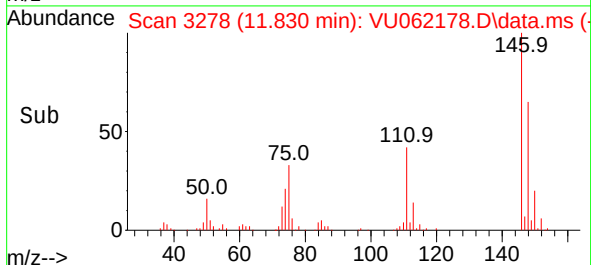
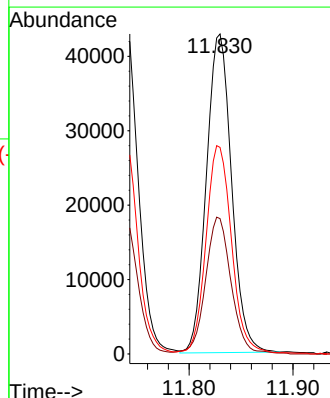
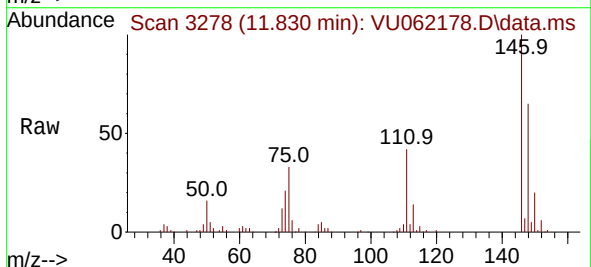
Tgt Ion:146 Resp: 72104

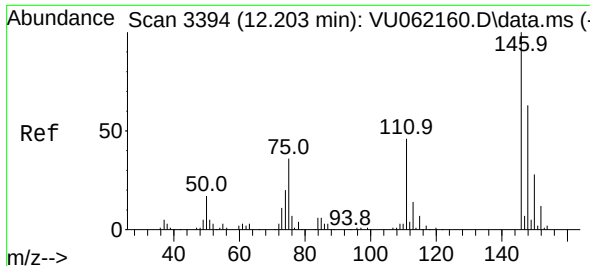
Ion Ratio Lower Upper

146 100

111 42.3 29.3 54.3

148 64.5 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 4.549 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

BHJ99MSD

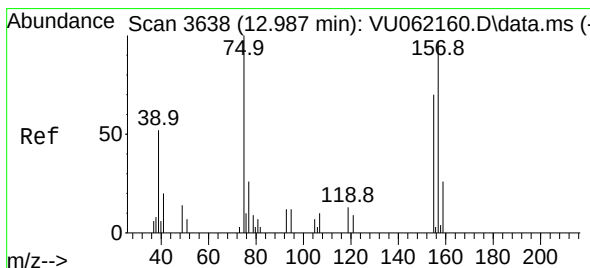
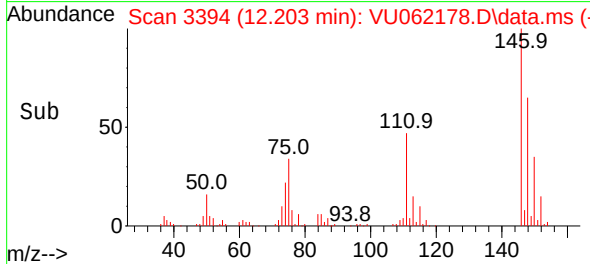
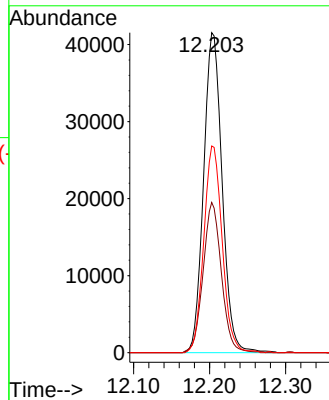
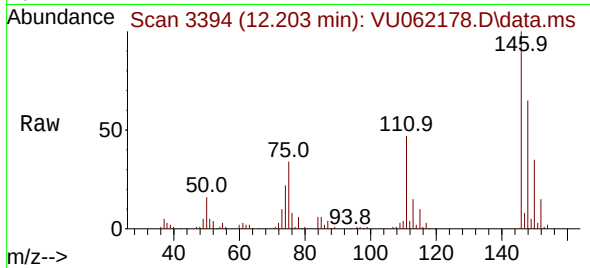
Tgt Ion:146 Resp: 70366

Ion Ratio Lower Upper

146 100

111 46.9 36.0 54.0

148 64.6 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.615 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

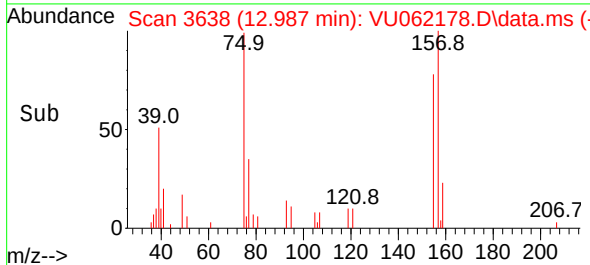
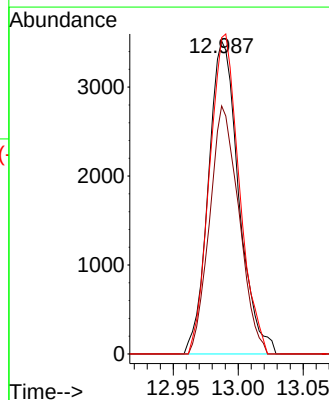
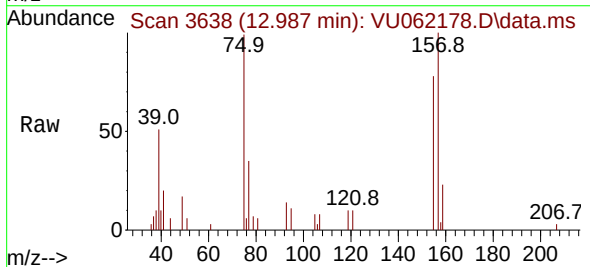
Tgt Ion: 75 Resp: 5713

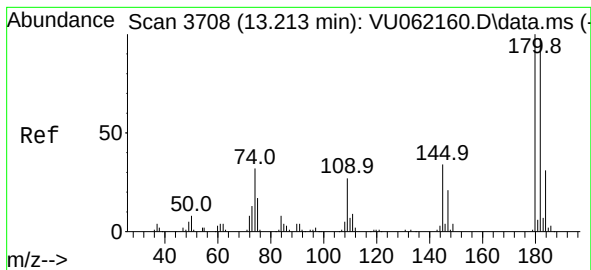
Ion Ratio Lower Upper

75 100

155 79.2 55.2 82.8

157 101.1 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 4.258 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

Instrument :

MSVOA_U

ClientSampleId :

BHJ99MSD

Tgt Ion:180 Resp: 52976

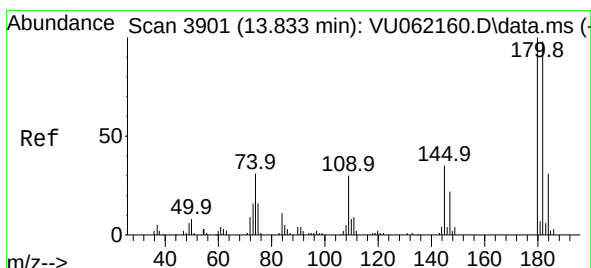
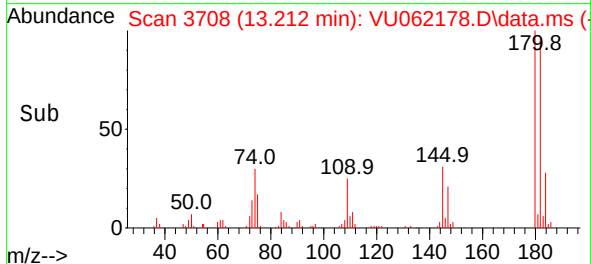
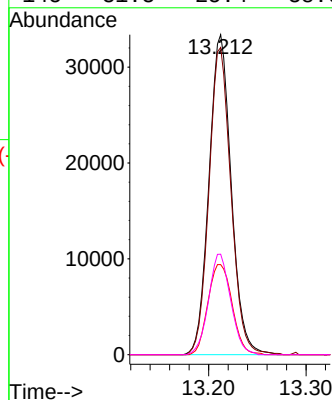
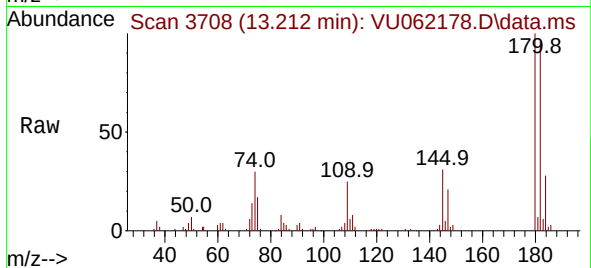
Ion Ratio Lower Upper

180 100

182 94.9 76.7 115.1

184 30.7 24.8 37.2

145 31.3 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 4.419 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU062178.D

Acq: 09 Dec 2024 23:30

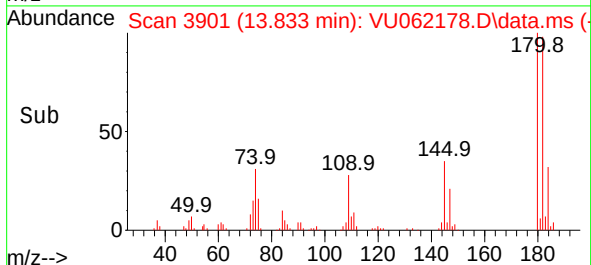
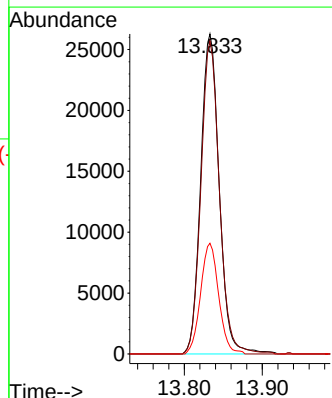
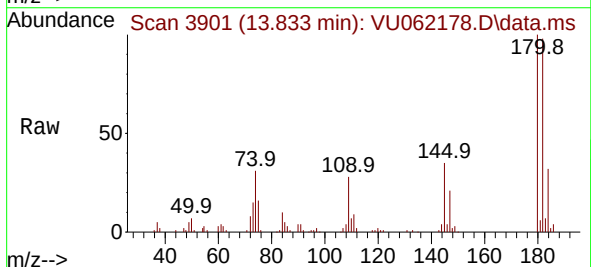
Tgt Ion:180 Resp: 43410

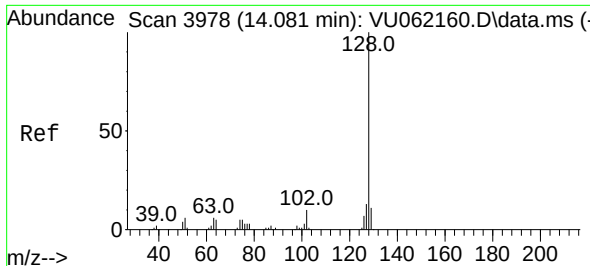
Ion Ratio Lower Upper

180 100

182 97.2 74.5 111.7

145 33.7 25.6 38.4

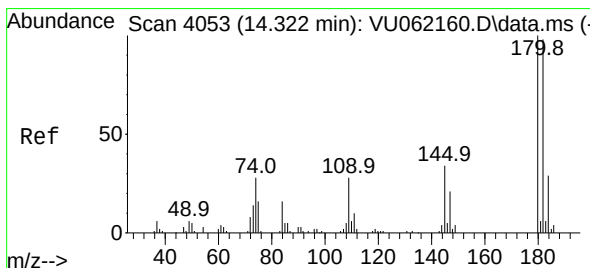
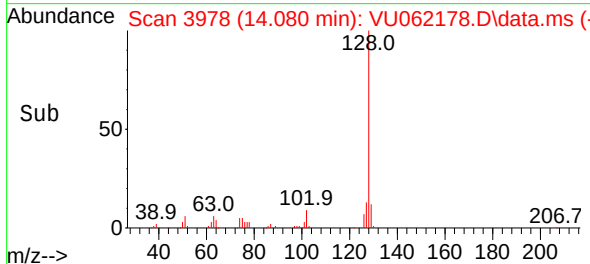
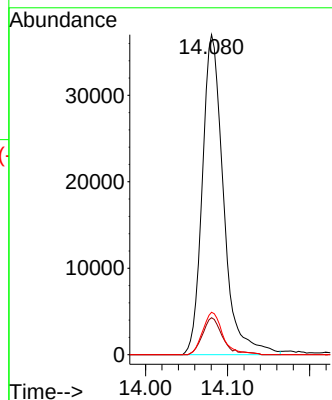
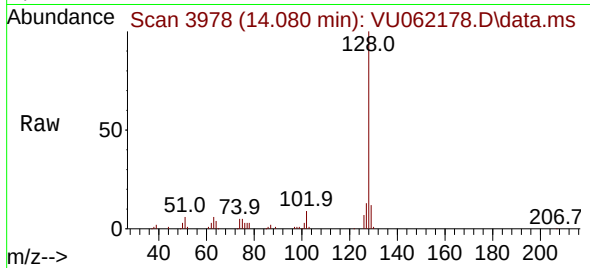




#71
Naphthalene
Concen: 4.506 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Instrument :
MSVOA_U
ClientSampleId :
BHJ99MSD

Tgt Ion:128 Resp: 66473
Ion Ratio Lower Upper
128 100
129 10.6 8.5 12.7
127 12.6 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.650 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU062178.D
Acq: 09 Dec 2024 23:30

Tgt Ion:180 Resp: 40284
Ion Ratio Lower Upper
180 100
182 93.8 76.1 114.1
145 34.8 27.4 41.0

