

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063055.D
 Acq On : 28 Jan 2025 08:10
 Operator : MD/SY
 Sample : Q1196-02MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:22:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.344	114	117415	5.000	ug/L	0.11
28) Chlorobenzene-d5	9.431	117	103797	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.807	152	61227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.708	65	20942	4.962	ug/L	0.11
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.200%
7) Chloroethane-d5	2.029	69	21668	6.761	ug/L	0.13
Spiked Amount	5.000	Range	65 - 130	Recovery	=	135.200%#
11) 1,1-Dichloroethene-d2	2.685	65	14380	5.697	ug/L	0.13
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.000%
20) 2-Butanone-d5	4.798	46	30963	25.275	ug/L	0.20
Spiked Amount	50.000	Range	40 - 130	Recovery	=	50.560%
24) Chloroform-d	5.139	84	55136	3.288	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	65.800%#
26) 1,2-Dichloroethane-d4	5.827	65	38594	4.032	ug/L	0.14
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
32) Benzene-d6	5.849	84	105137	4.433	ug/L	0.13
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.772	67	25663	4.249	ug/L	0.10
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.939	98	106166	4.527	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	8.213	79	16536	4.423	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.663	63	41241	44.208	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.420%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	23999	4.185	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	48114	4.390	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	54953	5.225	ug/L	100
3) Chloromethane	1.505	50	6002	1.186	ug/L #	40
5) Vinyl chloride	1.714	62	32466	5.748	ug/L	88
6) Bromomethane	1.972	94	13906	5.146	ug/L	95
8) Chloroethane	2.049	64	21449	7.520	ug/L	94
9) Trichlorofluoromethane	2.255	101	91015	6.373	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.698	101	42059	5.986	ug/L	91
12) 1,1-Dichloroethene	2.701	96	36905	6.050	ug/L	89
13) Acetone	2.843	43	26071	32.913	ug/L	84
14) Carbon disulfide	2.914	76	109983	7.038	ug/L	100
15) Methyl Acetate	2.843	43	26071	17.138	ug/L #	44
16) Methylene chloride	3.177	84	35987	5.597	ug/L	97
17) Methyl tert-butyl Ether	3.521	73	104421	5.715	ug/L	97
18) trans-1,2-Dichloroethene	3.480	96	39196	6.005	ug/L	98
19) 1,1-Dichloroethane	3.997	63	46575	4.116	ug/L	96
21) 2-Butanone	4.869	43	33477	30.987	ug/L	86
22) cis-1,2-Dichloroethene	4.762	96	30277	3.881	ug/L	84
23) Bromochloromethane	5.049	128	15898	4.061	ug/L #	74
25) Chloroform	5.161	83	57738	3.532	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063055.D
 Acq On : 28 Jan 2025 08:10
 Operator : MD/SY
 Sample : Q1196-02MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:22:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

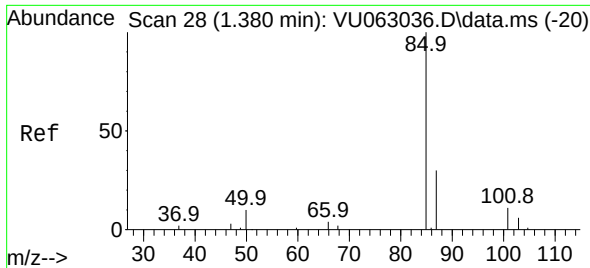
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.917	62	47764	4.168	ug/L	98
29) 1,1,1-Trichloroethane	5.396	97	77914	4.841	ug/L	98
30) Cyclohexane	5.470	56	36594	4.881	ug/L #	78
31) Carbon tetrachloride	5.627	117	74725	4.822	ug/L	100
33) Benzene	5.891	78	144835	5.760	ug/L	100
34) Trichloroethene	6.624	95	54296	6.354	ug/L	92
35) Methylcyclohexane	6.833	83	52585	4.884	ug/L	92
37) 1,2-Dichloropropane	6.869	63	24722	4.371	ug/L #	94
38) Bromodichloromethane	7.168	83	53220	4.696	ug/L	98
39) cis-1,3-Dichloropropene	7.656	75	48163	4.523	ug/L	98
40) 4-Methyl-2-pentanone	7.840	43	121288	44.453	ug/L #	94
42) Toluene	8.007	91	316328	10.583	ug/L	100
44) trans-1,3-Dichloropropene	8.241	75	45596	4.649	ug/L	99
45) 1,1,2-Trichloroethane	8.431	97	24377	4.580	ug/L	89
47) Tetrachloroethene	8.579	164	345437	46.479	ug/L	92
49) Dibromochloromethane	8.833	129	39724	4.782	ug/L	93
50) 1,2-Dibromoethane	8.949	107	25290	4.703	ug/L	100
51) Chlorobenzene	9.460	112	102469	4.944	ug/L	94
52) Ethylbenzene	9.582	91	234710	6.738	ug/L	97
53) m,p-Xylene	9.701	106	143002	10.630	ug/L	100
54) o-Xylene	10.106	106	107971	8.761	ug/L	98
55) Styrene	10.119	104	114803	5.510	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.782	83	25583	4.296	ug/L #	93
59) Bromoform	10.296	173	27388	4.707	ug/L	98
60) Isopropylbenzene	10.486	105	197352	5.087	ug/L	99
61) 1,2,3-Trichloropropane	10.823	75	19428	3.943	ug/L	92
62) 1,3,5-Trimethylbenzene	11.084	105	187096	5.500	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	221157	6.874	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	94423	4.794	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	94021	4.758	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	82780	4.467	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	6629	5.088	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.209	180	79108	5.027	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	72554	5.892	ug/L	99
71) Naphthalene	14.074	128	640039	40.502	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	63620	5.979	ug/L	95

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

Instrument :
MSVOA_U
ClientSampleId :

Instrument :
MSVOA_U
ClientSampleId :

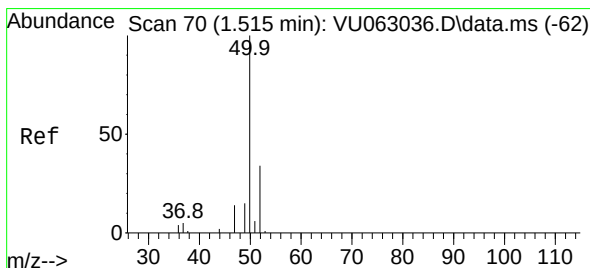
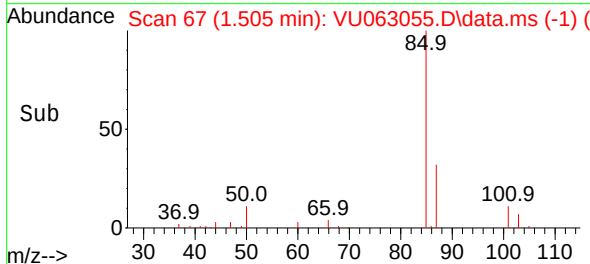
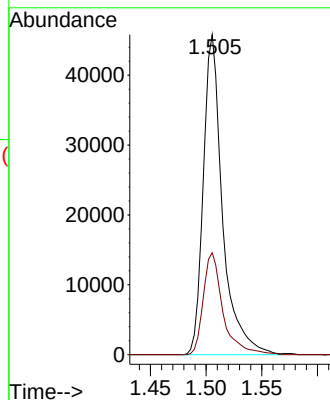
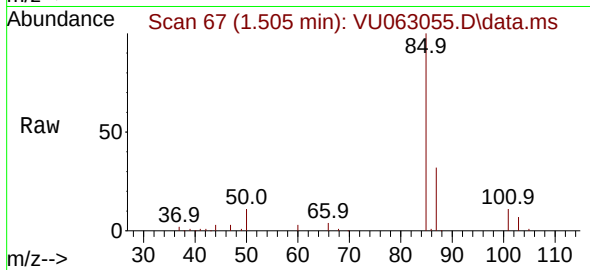




#2
 Dichlorodifluoromethane
 Concen: 5.225 ug/L
 RT: 1.505 min Scan# 61
 Delta R.T. 0.125 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

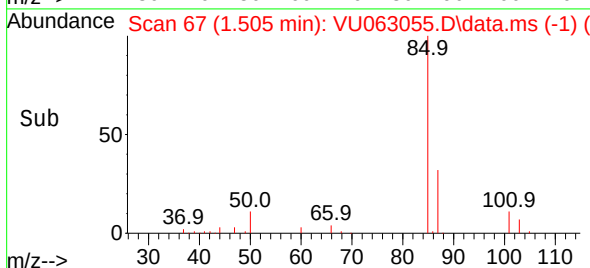
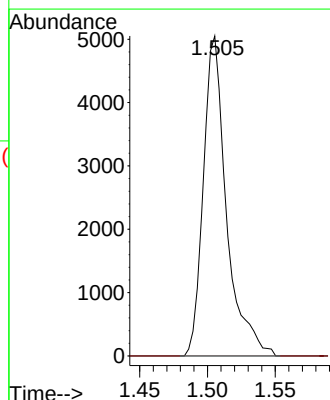
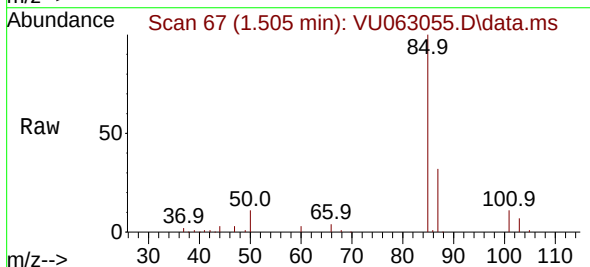
Instrument :
 MSVOA_U
 ClientSampleId :

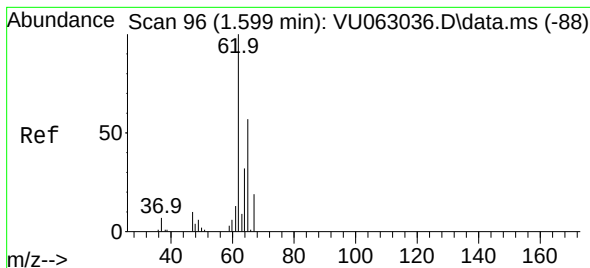
Tgt Ion: 85 Resp: 54953
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.1 39.1



#3
 Chloromethane
 Concen: 1.186 ug/L
 RT: 1.505 min Scan# 67
 Delta R.T. -0.010 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Tgt Ion: 50 Resp: 6002
 Ion Ratio Lower Upper
 50 100
 52 0.0 24.1 44.7#





#5

Vinyl chloride

Concen: 5.748 ug/L

RT: 1.714 min Scan# 11

Delta R.T. 0.116 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

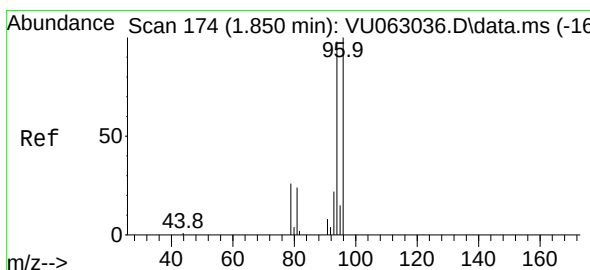
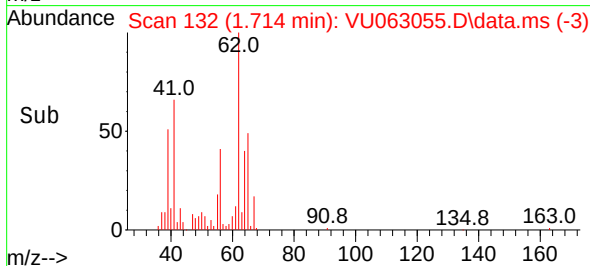
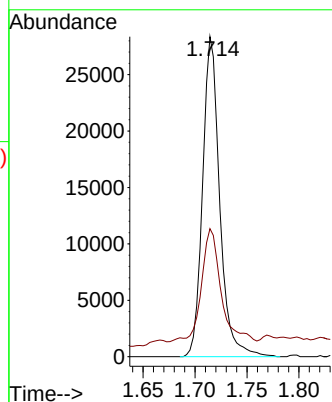
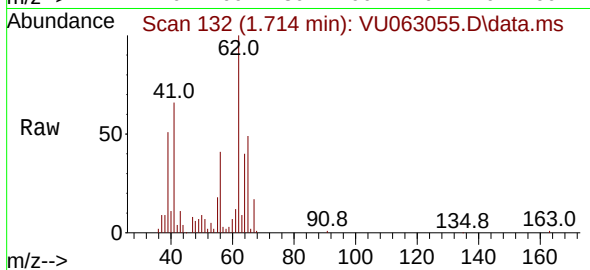
ClientSampleId :

Tgt Ion: 62 Resp: 32466

Ion Ratio Lower Upper

62 100

64 40.0 23.4 43.4



#6

Bromomethane

Concen: 5.146 ug/L

RT: 1.972 min Scan# 212

Delta R.T. 0.122 min

Lab File: VU063055.D

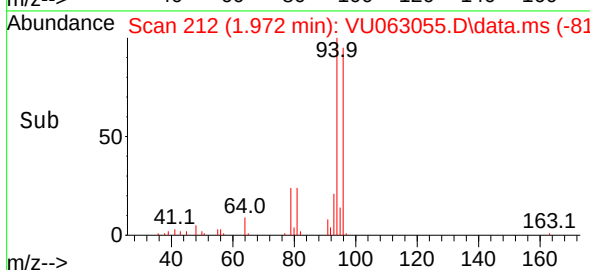
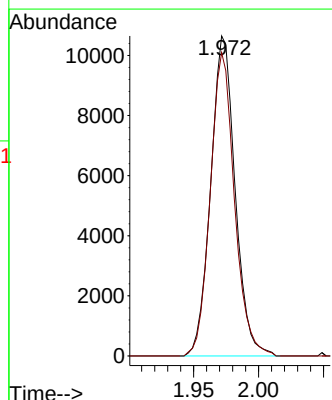
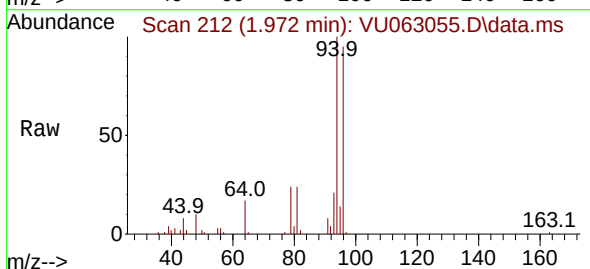
Acq: 28 Jan 2025 08:10

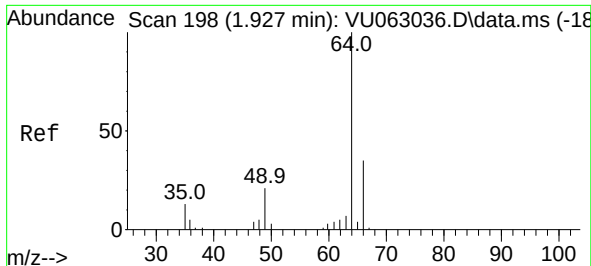
Tgt Ion: 94 Resp: 13906

Ion Ratio Lower Upper

94 100

96 94.8 62.9 116.7

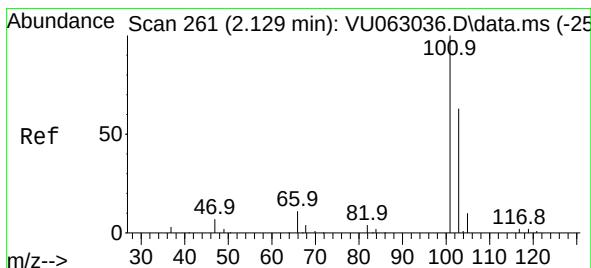
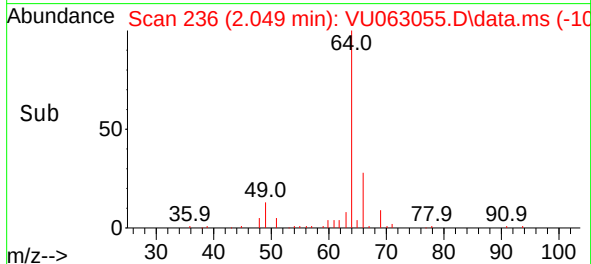
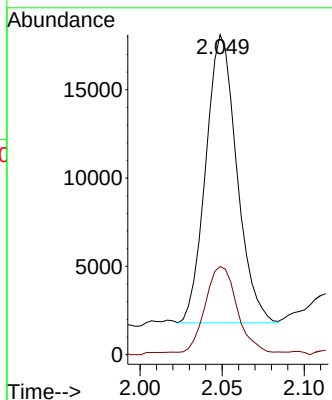
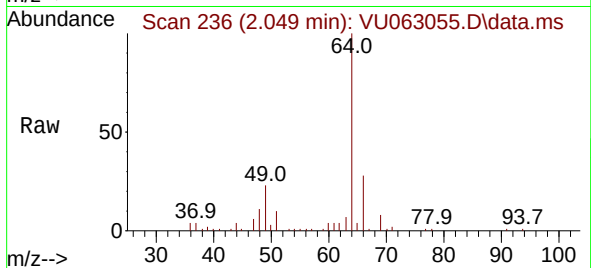




#8
Chloroethane
Concen: 7.520 ug/L
RT: 2.049 min Scan# 21
Delta R.T. 0.122 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

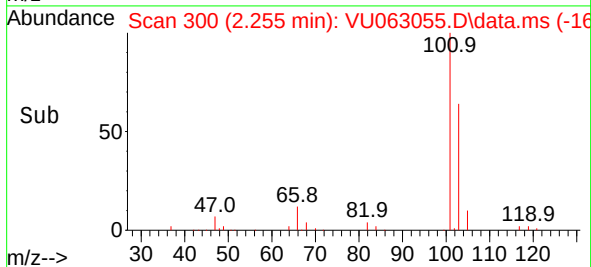
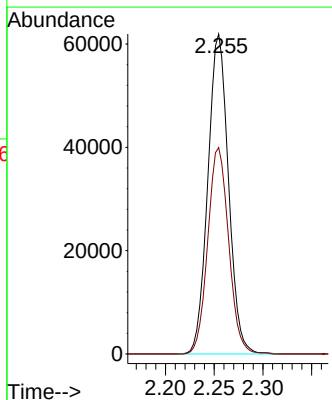
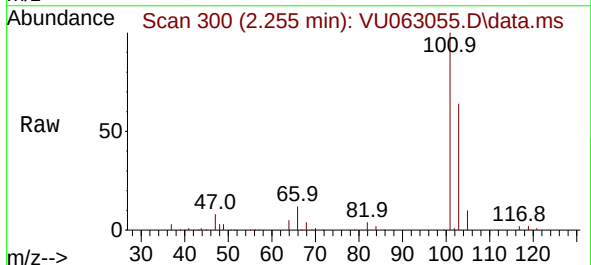
Instrument :
MSVOA_U
ClientSampleId :

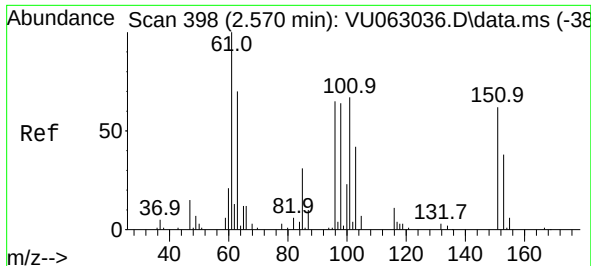
Tgt Ion: 64 Resp: 21449
Ion Ratio Lower Upper
64 100
66 27.6 21.6 40.2



#9
Trichlorofluoromethane
Concen: 6.373 ug/L
RT: 2.255 min Scan# 300
Delta R.T. 0.125 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:101 Resp: 91015
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.0

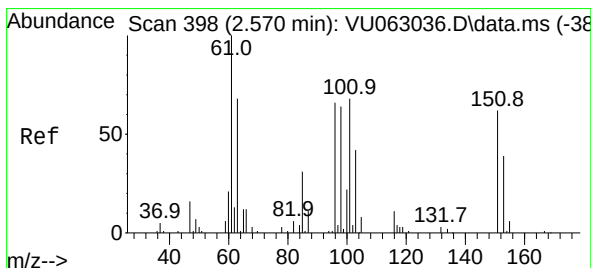
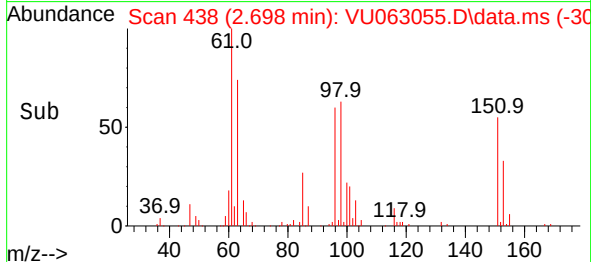
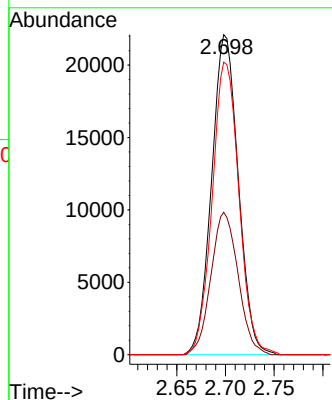
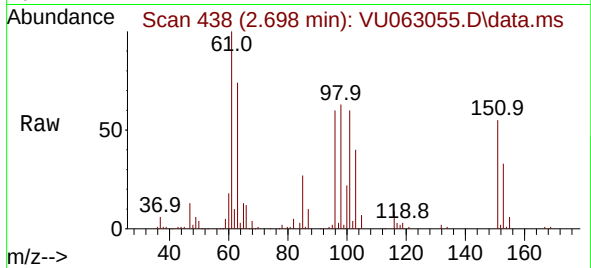




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.986 ug/L
 RT: 2.698 min Scan# 441
 Delta R.T. 0.128 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

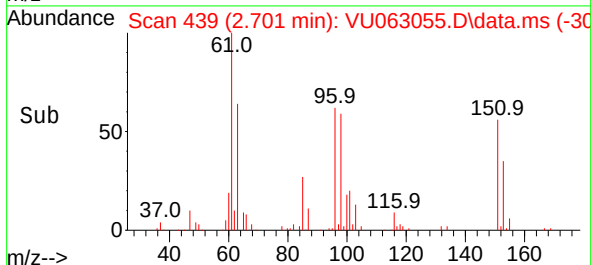
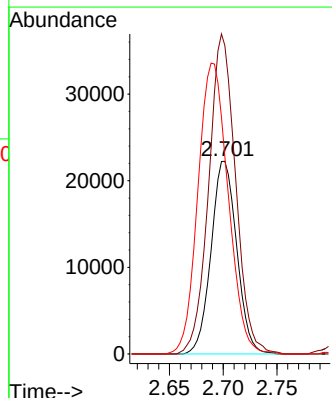
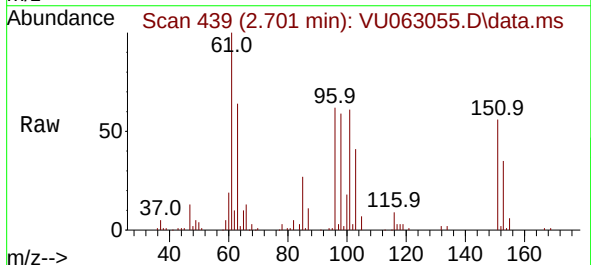
Instrument :
 MSVOA_U
 ClientSampleId :

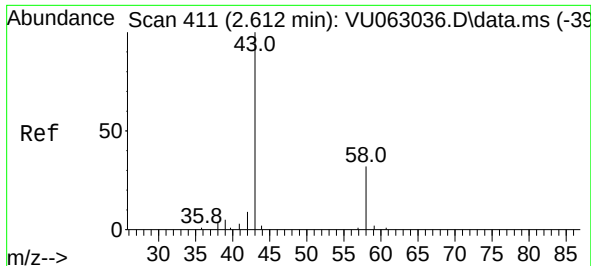
Tgt Ion:101 Resp: 42059
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.0 55.6
 151 92.0 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 6.050 ug/L
 RT: 2.701 min Scan# 439
 Delta R.T. 0.132 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Tgt Ion: 96 Resp: 36905
 Ion Ratio Lower Upper
 96 100
 61 160.1 120.4 223.6
 63 102.5 82.3 152.9





#13

Acetone

Concen: 32.913 ug/L

RT: 2.843 min Scan# 411

Delta R.T. 0.231 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

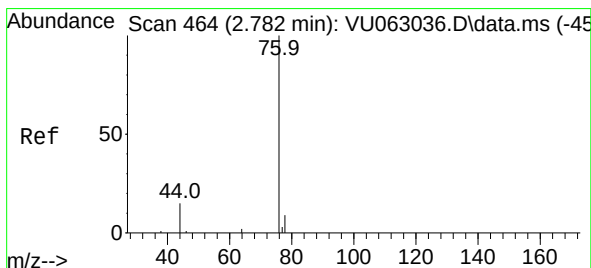
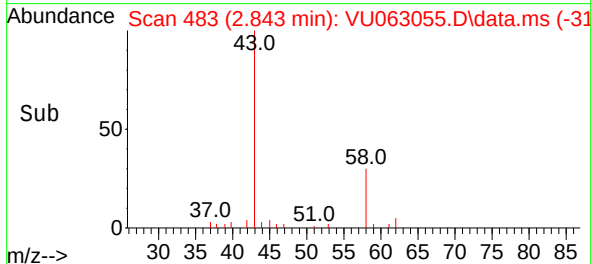
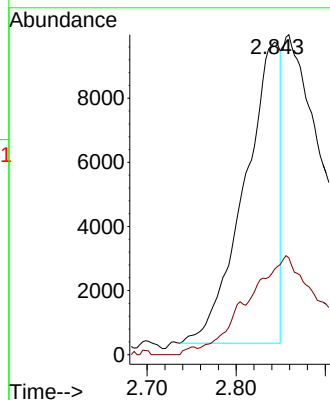
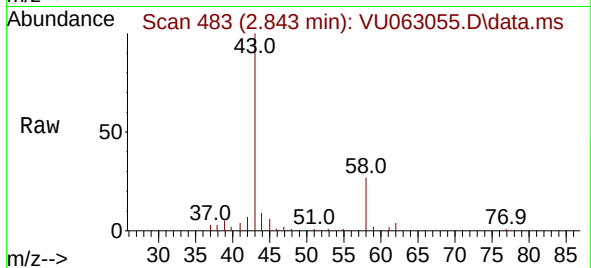
ClientSampleId :

Tgt Ion: 43 Resp: 26071

Ion Ratio Lower Upper

43 100

58 23.3 0.0 64.4



#14

Carbon disulfide

Concen: 7.038 ug/L

RT: 2.914 min Scan# 505

Delta R.T. 0.132 min

Lab File: VU063055.D

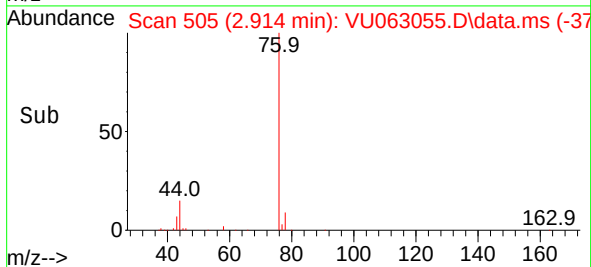
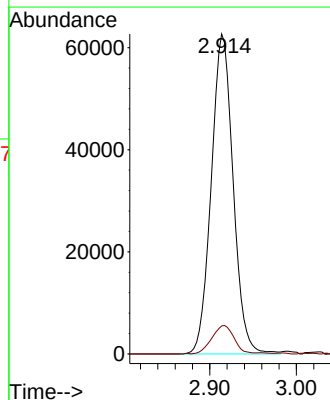
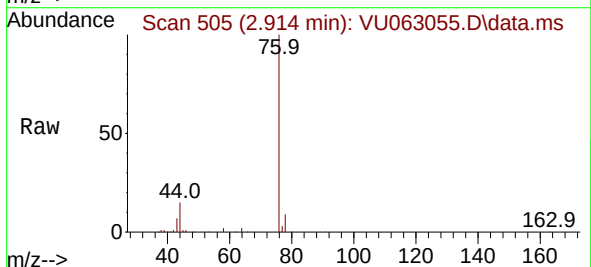
Acq: 28 Jan 2025 08:10

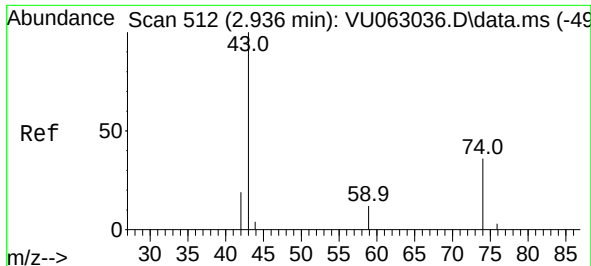
Tgt Ion: 76 Resp: 109983

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6

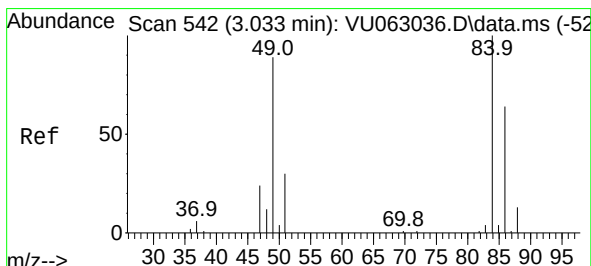
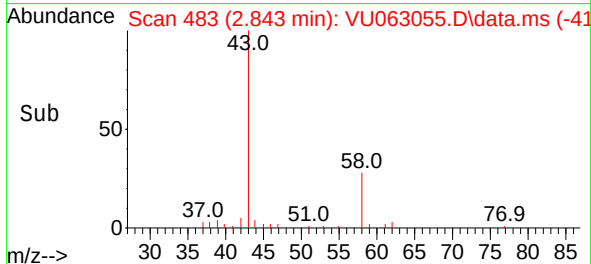
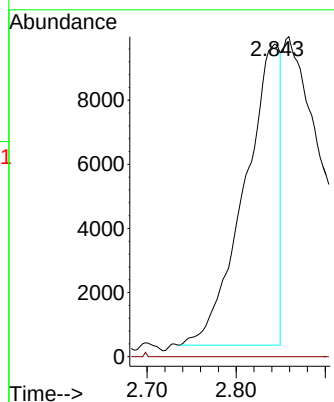
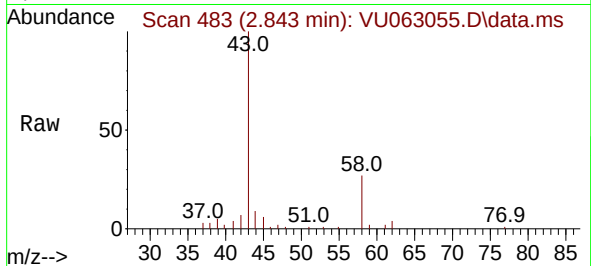




#15
Methyl Acetate
Concen: 17.138 ug/L
RT: 2.843 min Scan# 41
Delta R.T. -0.093 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

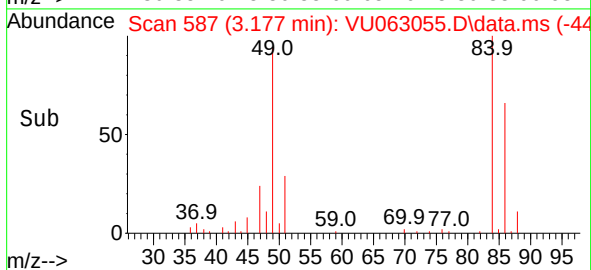
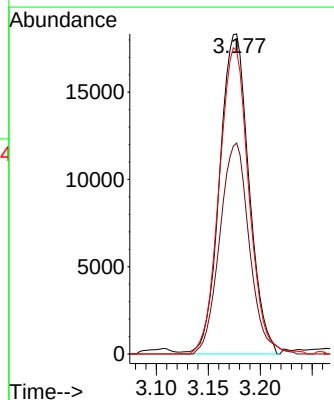
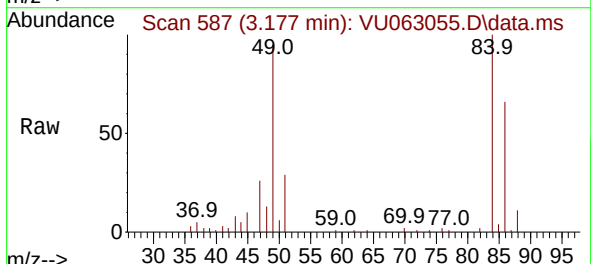
Instrument :
MSVOA_U
ClientSampleId :

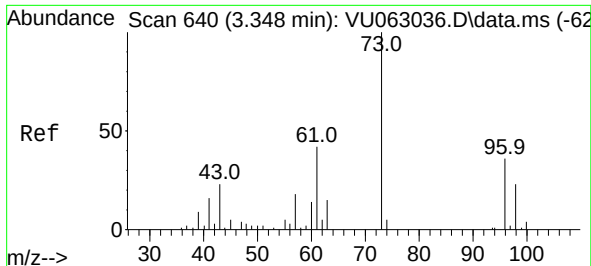
Tgt Ion: 43 Resp: 26071
Ion Ratio Lower Upper
43 100
74 0.0 24.4 36.6#



#16
Methylene chloride
Concen: 5.597 ug/L
RT: 3.177 min Scan# 587
Delta R.T. 0.145 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion: 84 Resp: 35987
Ion Ratio Lower Upper
84 100
86 65.9 44.7 83.1
49 94.8 68.3 126.9





#17

Methyl tert-butyl Ether

Concen: 5.715 ug/L

RT: 3.521 min Scan# 61

Delta R.T. 0.173 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

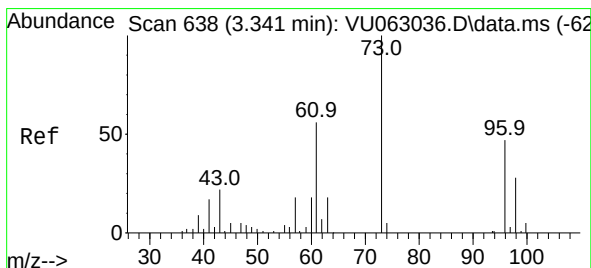
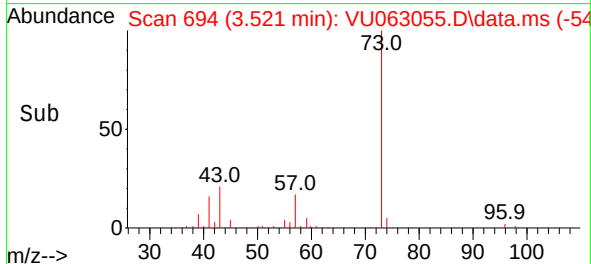
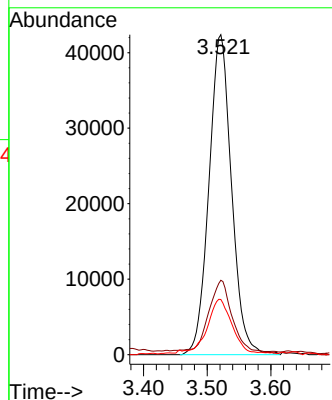
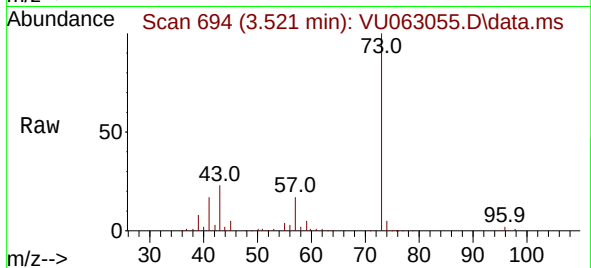
Tgt Ion: 73 Resp: 104421

Ion Ratio Lower Upper

73 100

43 22.6 16.2 24.4

57 18.1 14.6 22.0



#18

trans-1,2-Dichloroethene

Concen: 6.005 ug/L

RT: 3.480 min Scan# 681

Delta R.T. 0.138 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

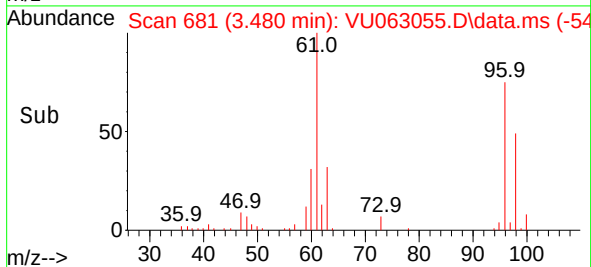
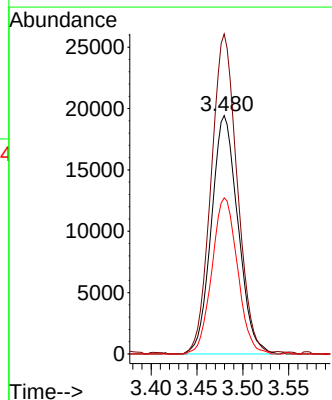
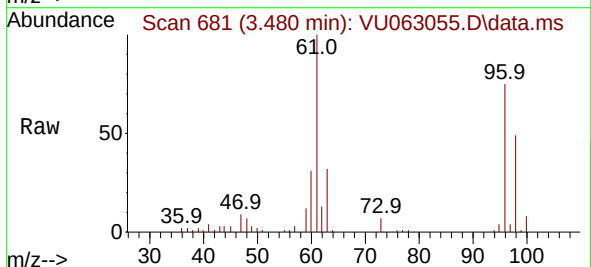
Tgt Ion: 96 Resp: 39196

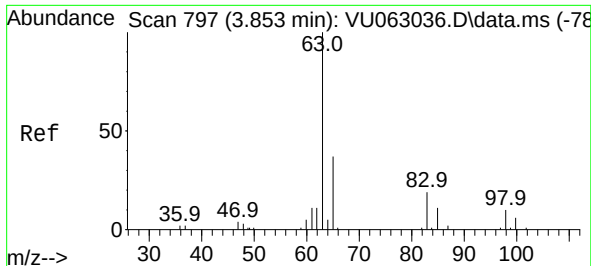
Ion Ratio Lower Upper

96 100

61 134.2 94.4 175.2

98 65.5 42.8 79.4

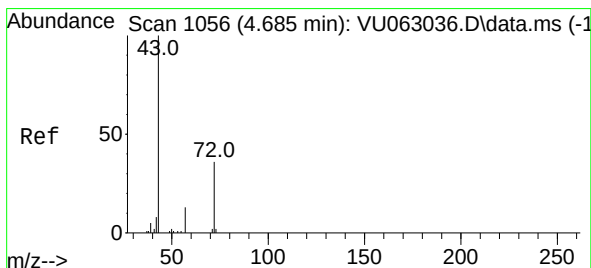
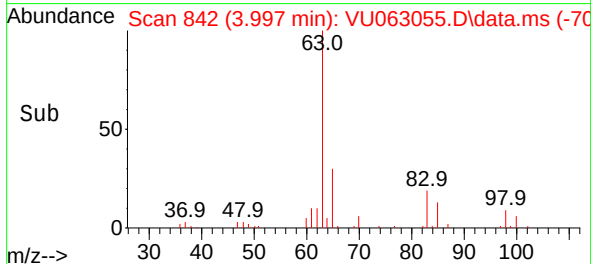
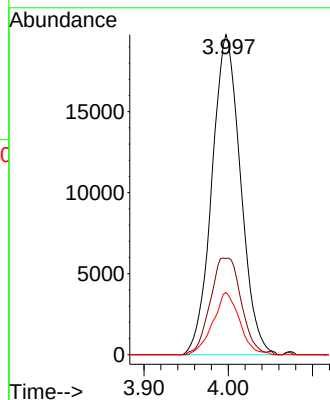
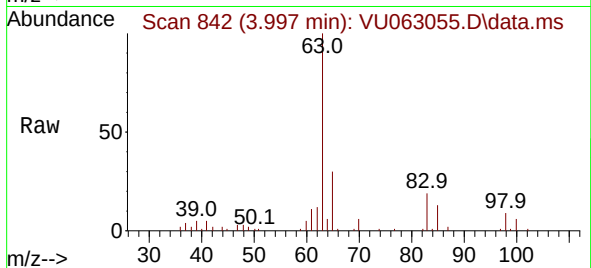




#19
1,1-Dichloroethane
Concen: 4.116 ug/L
RT: 3.997 min Scan# 84
Delta R.T. 0.145 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

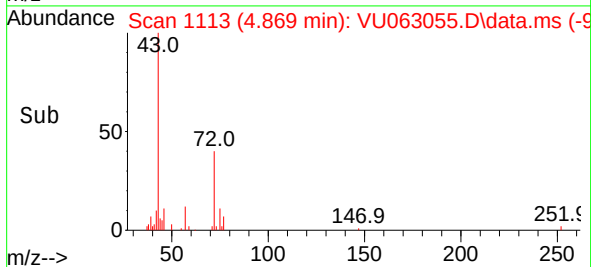
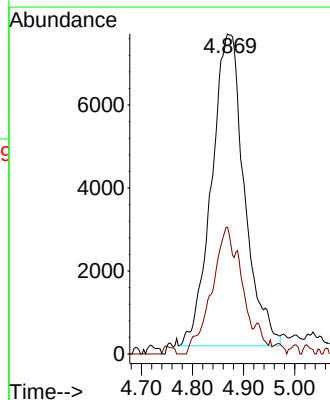
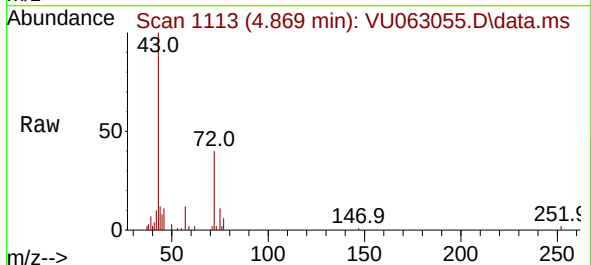
Instrument :
MSVOA_U
ClientSampleId :

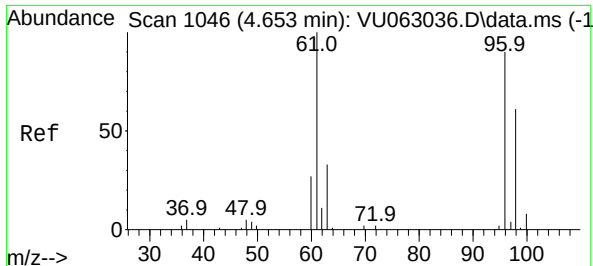
Tgt Ion: 63 Resp: 46575
Ion Ratio Lower Upper
63 100
65 30.1 20.7 38.5
83 19.5 10.5 19.5



#21
2-Butanone
Concen: 30.987 ug/L
RT: 4.869 min Scan# 1113
Delta R.T. 0.183 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion: 43 Resp: 33477
Ion Ratio Lower Upper
43 100
72 26.0 17.1 51.2





#22

cis-1,2-Dichloroethene

Concen: 3.881 ug/L

RT: 4.762 min Scan# 1169

Delta R.T. 0.109 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

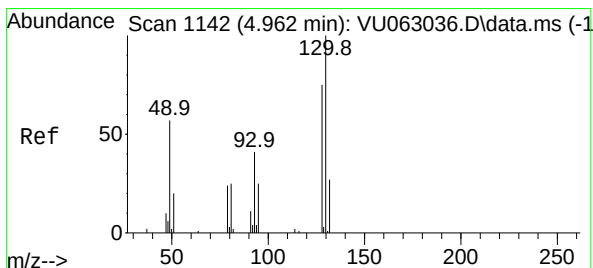
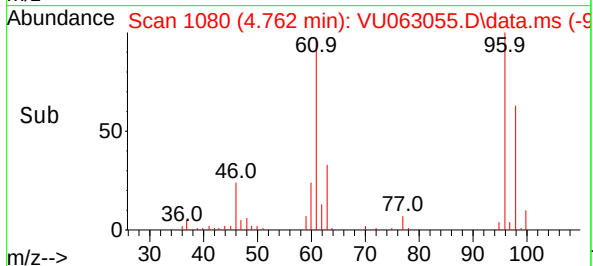
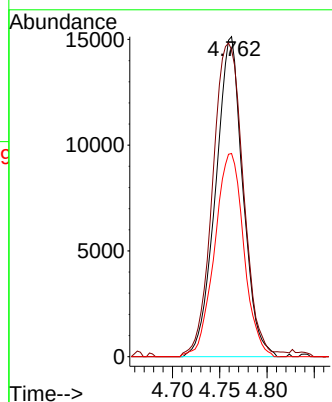
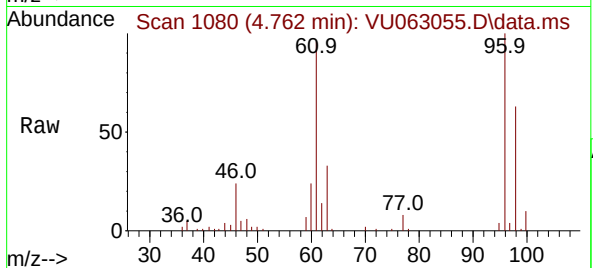
Tgt Ion: 96 Resp: 30277

Ion Ratio Lower Upper

96 100

61 95.9 84.8 157.6

98 63.5 43.1 80.1



#23

Bromochloromethane

Concen: 4.061 ug/L

RT: 5.049 min Scan# 1169

Delta R.T. 0.087 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Tgt Ion:128 Resp: 15898

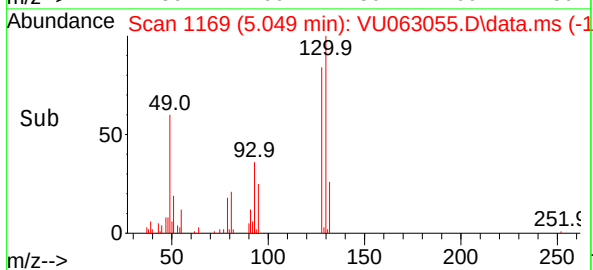
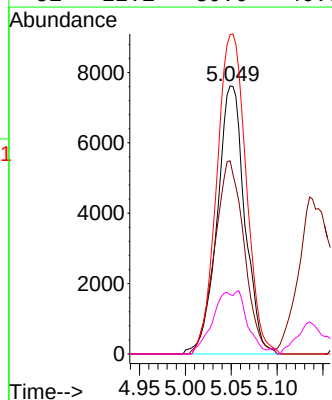
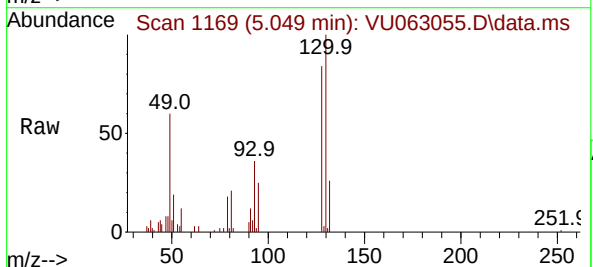
Ion Ratio Lower Upper

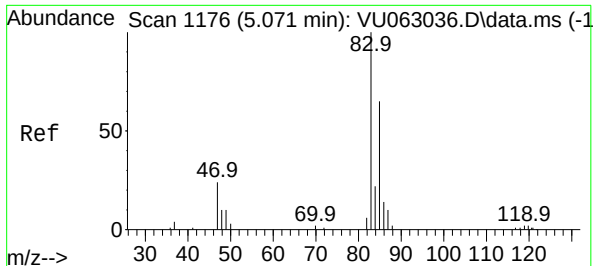
128 100

49 72.1 81.1 150.7#

130 119.2 94.9 176.3

51 22.1 30.6 46.0#





#25

Chloroform

Concen: 3.532 ug/L

RT: 5.161 min Scan# 1439

Delta R.T. 0.090 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

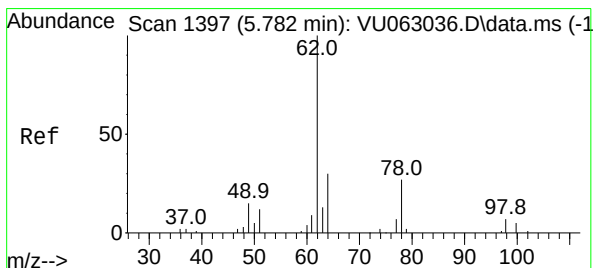
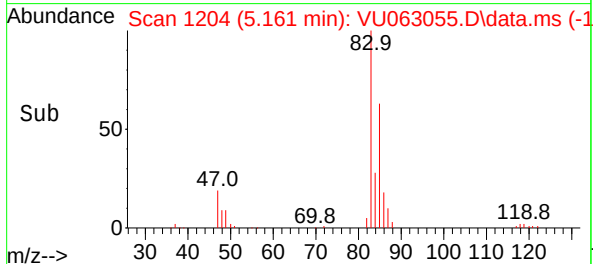
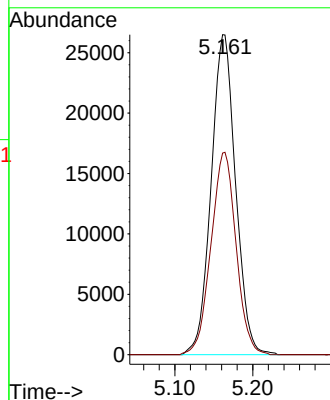
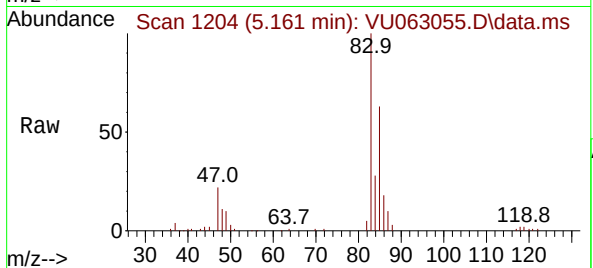
ClientSampleId :

Tgt Ion: 83 Resp: 57738

Ion Ratio Lower Upper

83 100

85 63.0 45.8 85.2



#27

1,2-Dichloroethane

Concen: 4.168 ug/L

RT: 5.917 min Scan# 1439

Delta R.T. 0.135 min

Lab File: VU063055.D

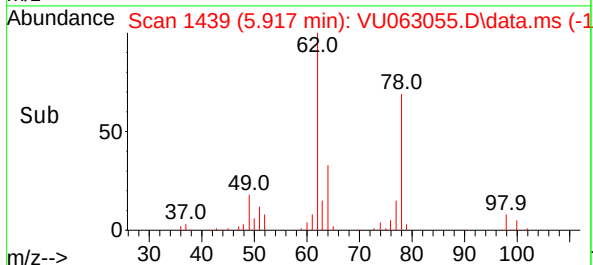
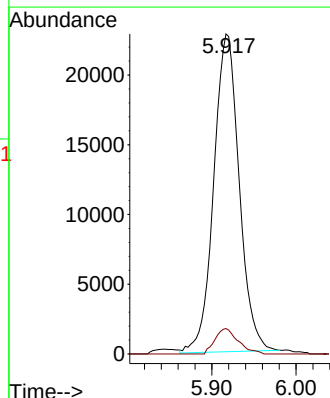
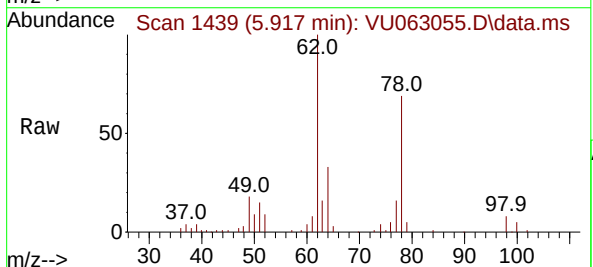
Acq: 28 Jan 2025 08:10

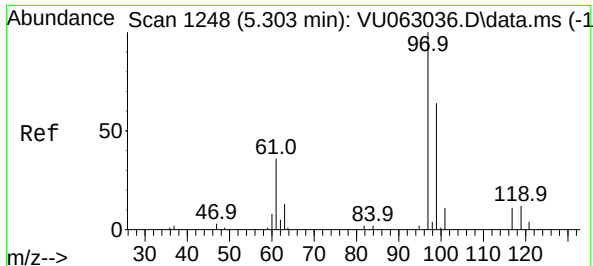
Tgt Ion: 62 Resp: 47764

Ion Ratio Lower Upper

62 100

98 7.9 5.8 8.6

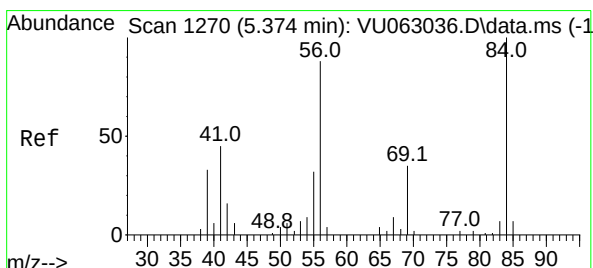
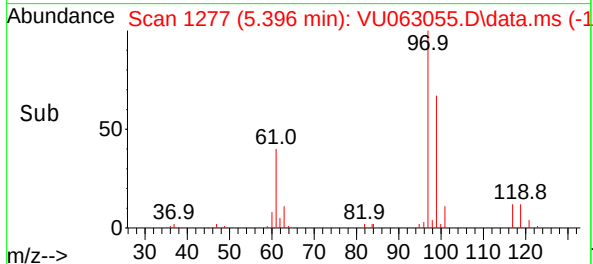
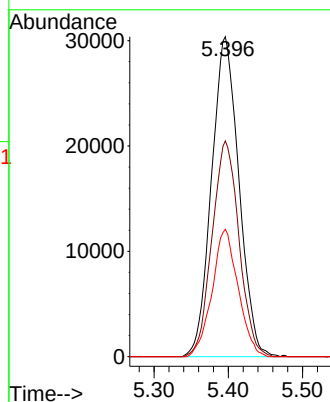
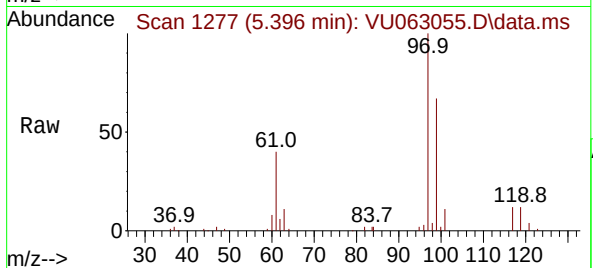




#29
1,1,1-Trichloroethane
Concen: 4.841 ug/L
RT: 5.396 min Scan# 11
Delta R.T. 0.093 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

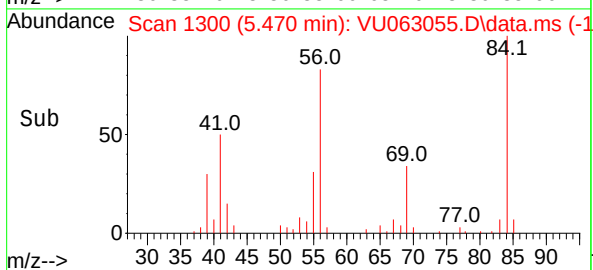
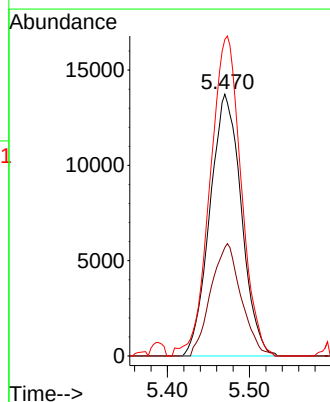
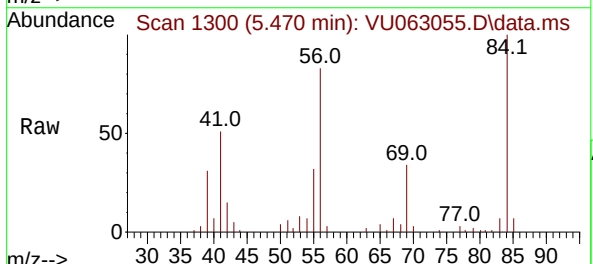
Instrument :
MSVOA_U
ClientSampleId :

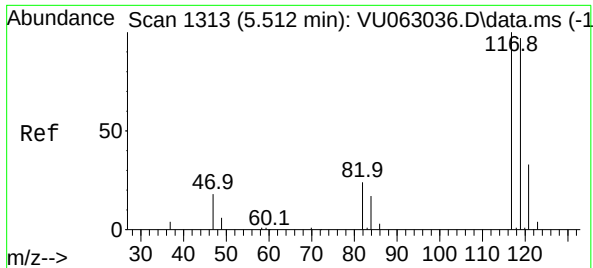
Tgt Ion: 97	Resp: 77914
Ion Ratio	Lower Upper
97 100	
99 66.3	52.4 78.6
61 37.9	32.2 48.4



#30
Cyclohexane
Concen: 4.881 ug/L
RT: 5.470 min Scan# 1300
Delta R.T. 0.096 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion: 56	Resp: 36594
Ion Ratio	Lower Upper
56 100	
69 41.4	28.3 42.5
84 120.9	76.5 114.7#

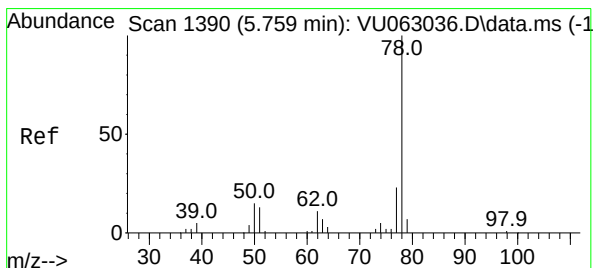
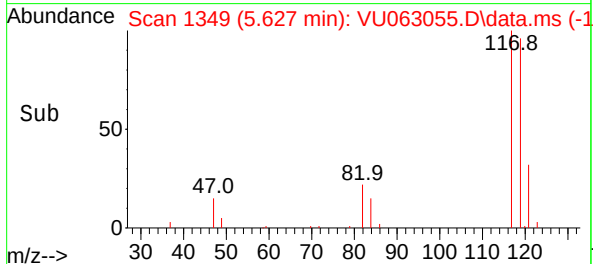
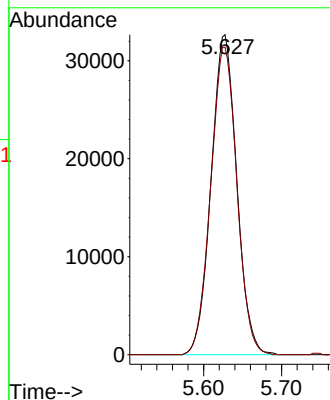
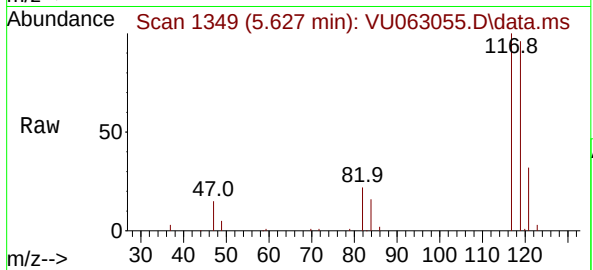




#31
Carbon tetrachloride
Concen: 4.822 ug/L
RT: 5.627 min Scan# 1430
Delta R.T. 0.116 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

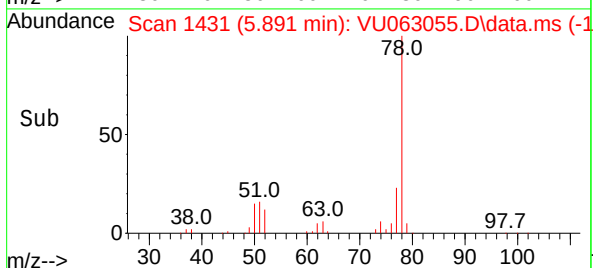
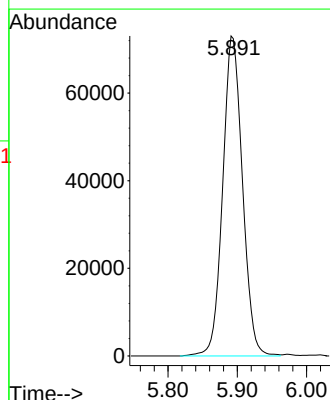
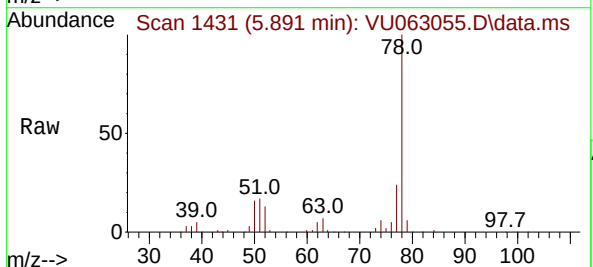
Instrument :
MSVOA_U
ClientSampleId :

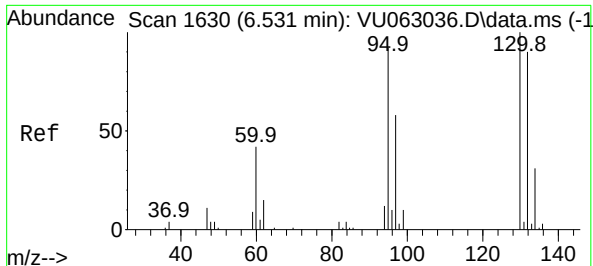
Tgt Ion:117 Resp: 74725
Ion Ratio Lower Upper
117 100
119 98.0 78.6 118.0



#33
Benzene
Concen: 5.760 ug/L
RT: 5.891 min Scan# 1431
Delta R.T. 0.132 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion: 78 Resp: 144835





#34

Trichloroethene

Concen: 6.354 ug/L

RT: 6.624 min Scan# 1

Delta R.T. 0.093 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 54296

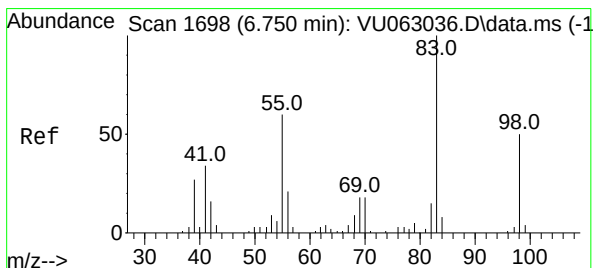
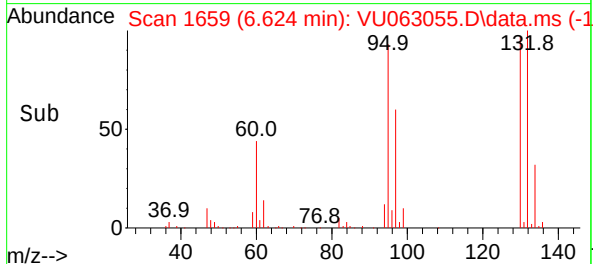
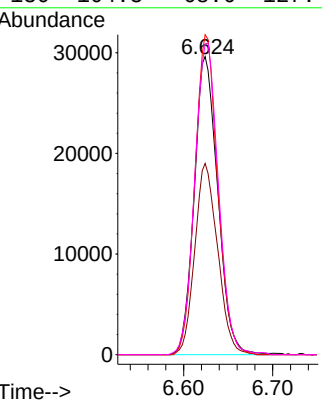
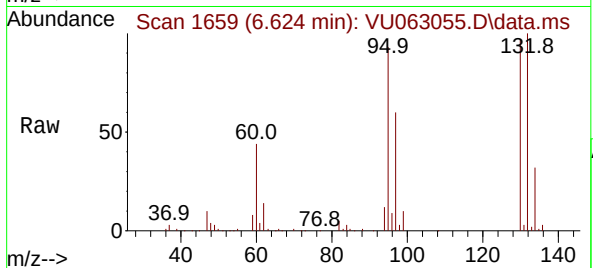
Ion Ratio Lower Upper

95 100

97 64.2 47.5 88.3

132 107.4 66.9 124.3

130 104.3 68.6 127.4



#35

Methylcyclohexane

Concen: 4.884 ug/L

RT: 6.833 min Scan# 1724

Delta R.T. 0.083 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

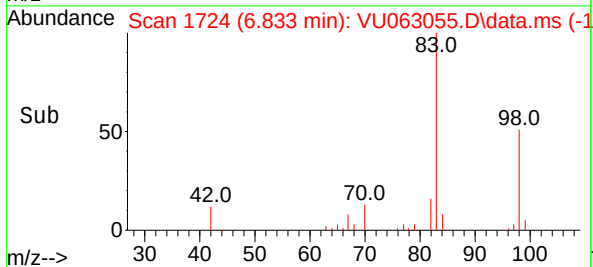
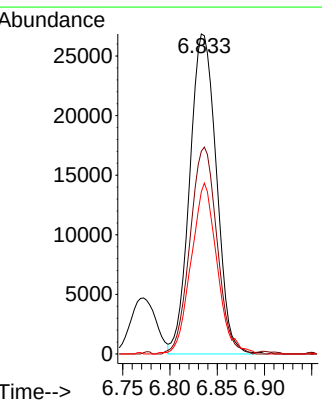
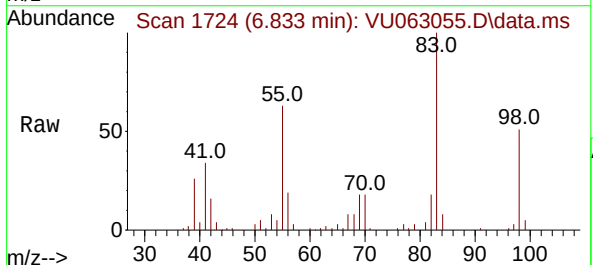
Tgt Ion: 83 Resp: 52585

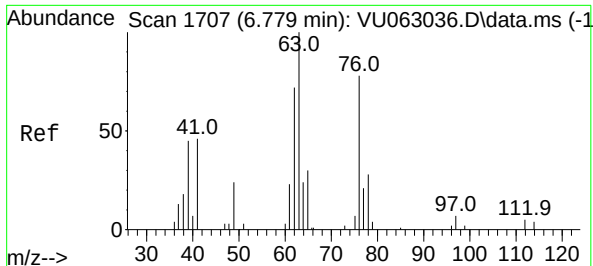
Ion Ratio Lower Upper

83 100

55 65.3 57.2 85.8

98 51.9 36.6 55.0

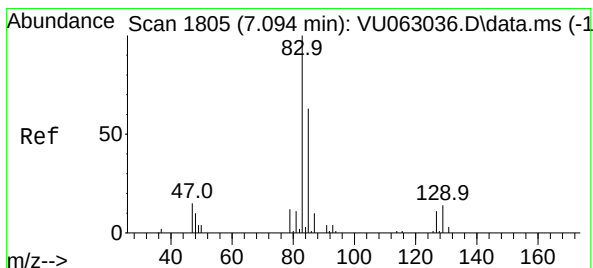
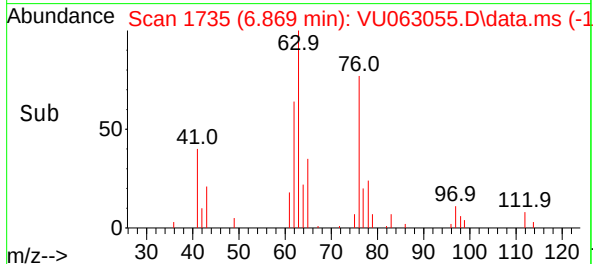
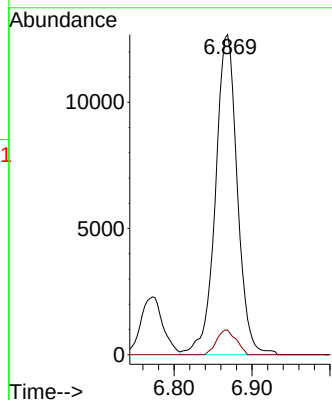
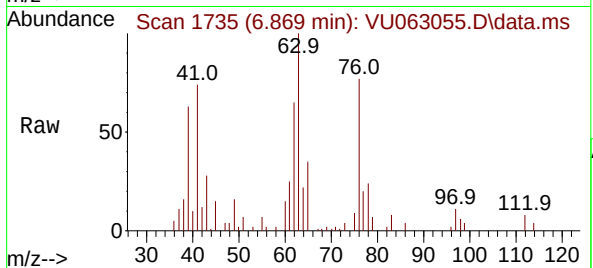




#37
1,2-Dichloropropane
Concen: 4.371 ug/L
RT: 6.869 min Scan# 11
Delta R.T. 0.090 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

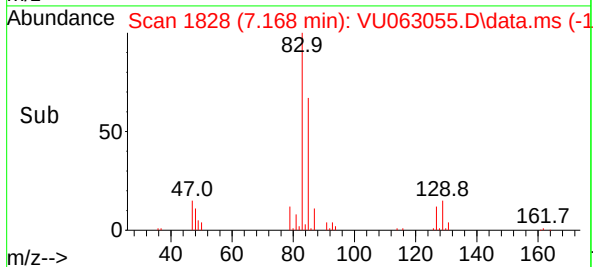
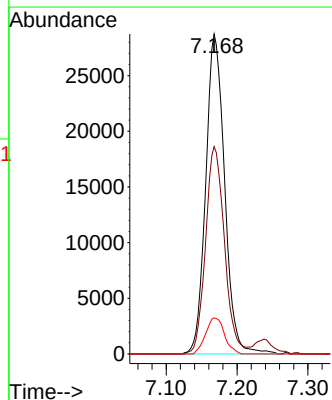
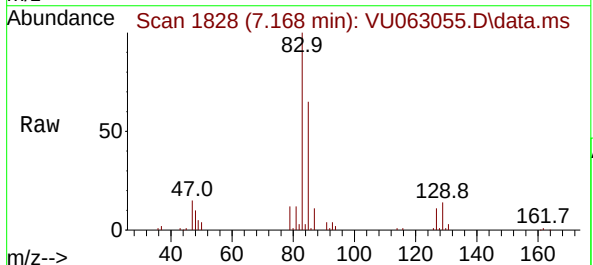
Instrument :
MSVOA_U
ClientSampleId :

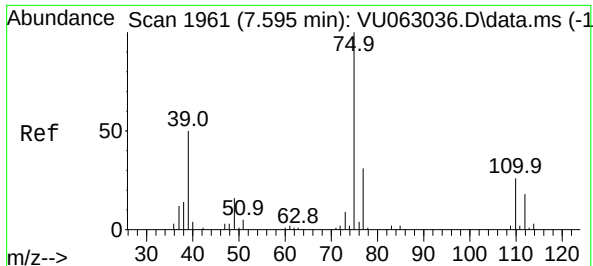
Tgt Ion: 63 Resp: 24722
Ion Ratio Lower Upper
63 100
112 6.9 3.8 5.8#



#38
Bromodichloromethane
Concen: 4.696 ug/L
RT: 7.168 min Scan# 1828
Delta R.T. 0.074 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion: 83 Resp: 53220
Ion Ratio Lower Upper
83 100
85 64.8 44.2 82.0
127 11.3 7.8 11.8

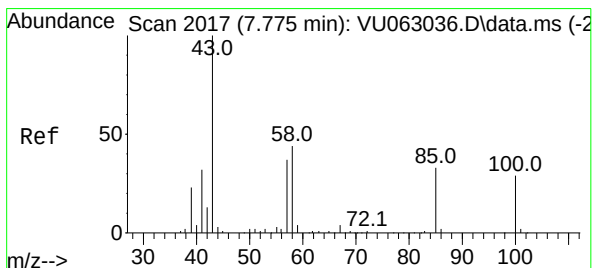
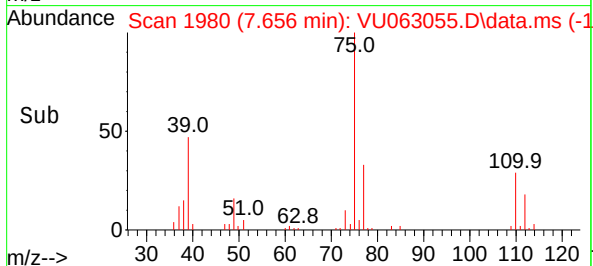
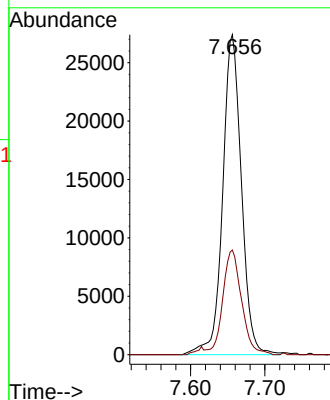
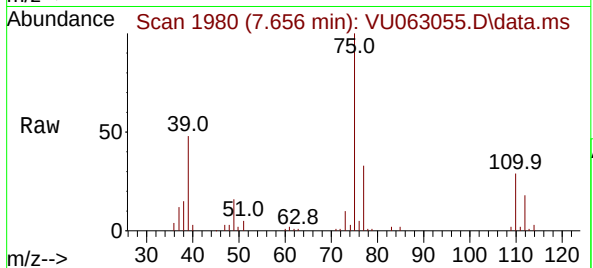




#39
 cis-1,3-Dichloropropene
 Concen: 4.523 ug/L
 RT: 7.656 min Scan# 1961
 Delta R.T. 0.061 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

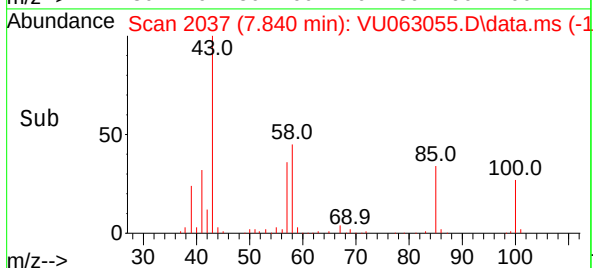
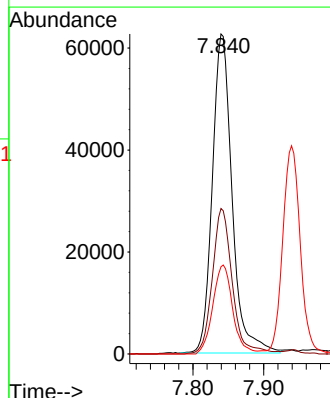
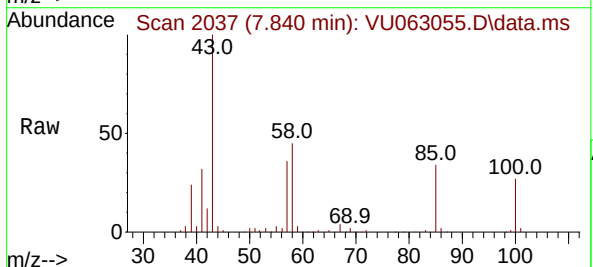
Instrument :
 MSVOA_U
 ClientSampleId :

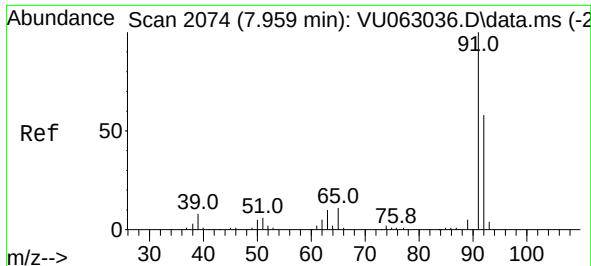
Tgt Ion: 75 Resp: 48163
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 44.453 ug/L
 RT: 7.840 min Scan# 2037
 Delta R.T. 0.064 min
 Lab File: VU063055.D
 Acq: 28 Jan 2025 08:10

Tgt Ion: 43 Resp: 121288
 Ion Ratio Lower Upper
 43 100
 58 45.9 35.8 53.8
 100 27.9 16.8 25.2#





#42

Toluene

Concen: 10.583 ug/L

RT: 8.007 min Scan# 2074

Delta R.T. 0.048 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

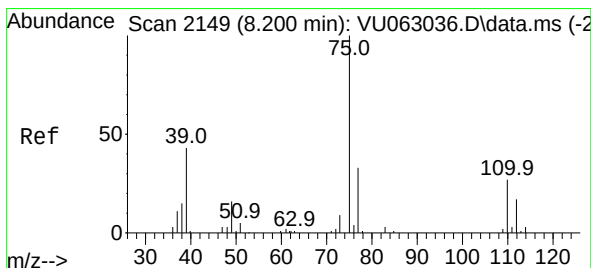
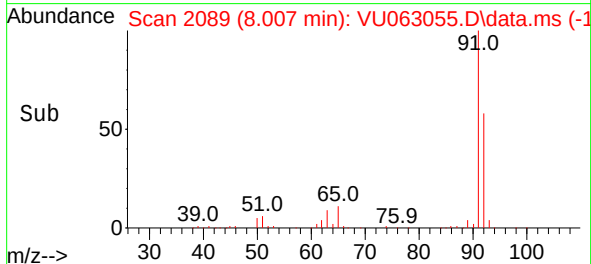
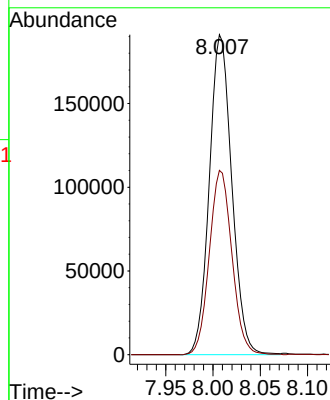
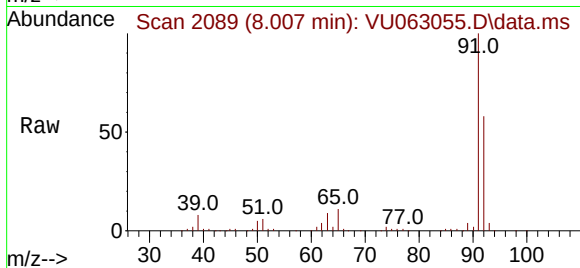
ClientSampleId :

Tgt Ion: 91 Resp: 316328

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.649 ug/L

RT: 8.241 min Scan# 2162

Delta R.T. 0.042 min

Lab File: VU063055.D

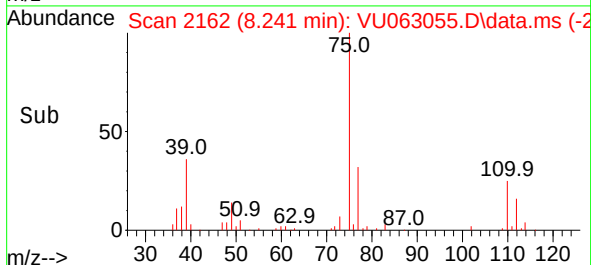
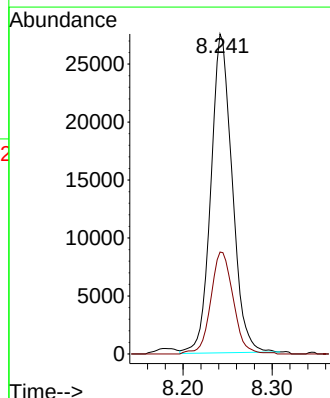
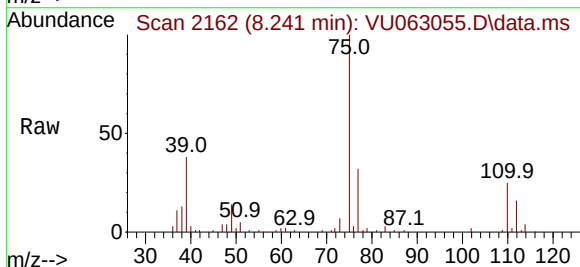
Acq: 28 Jan 2025 08:10

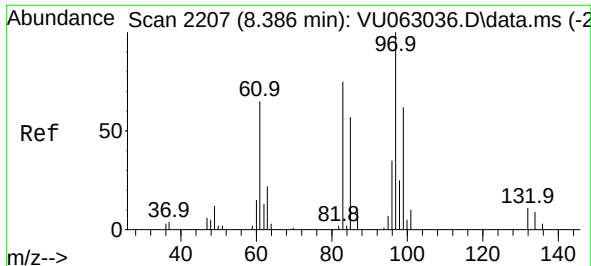
Tgt Ion: 75 Resp: 45596

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 4.580 ug/L

RT: 8.431 min Scan# 2207

Delta R.T. 0.045 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 24377

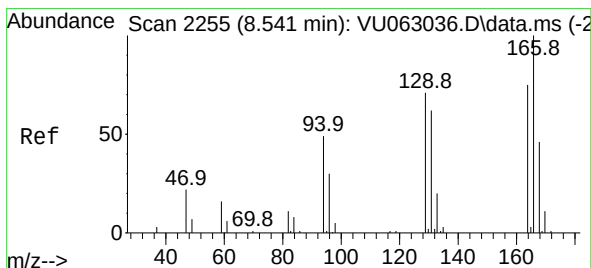
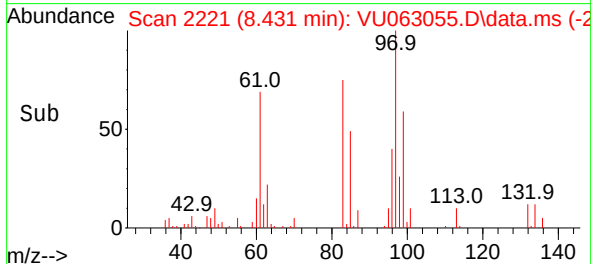
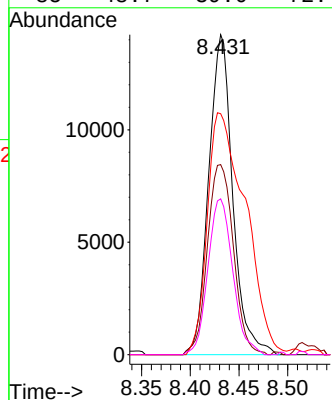
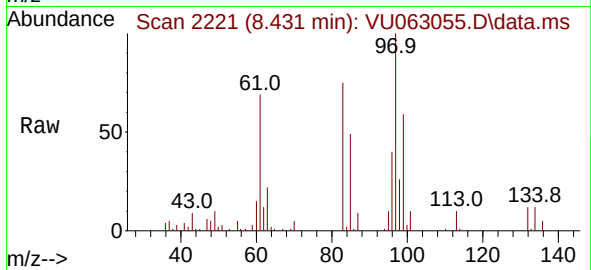
Ion Ratio Lower Upper

97 100

99 59.4 45.6 84.6

83 75.3 63.0 117.0

85 48.7 39.0 72.4



#47

Tetrachloroethene

Concen: 46.479 ug/L

RT: 8.579 min Scan# 2267

Delta R.T. 0.038 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Tgt Ion:164 Resp: 345437

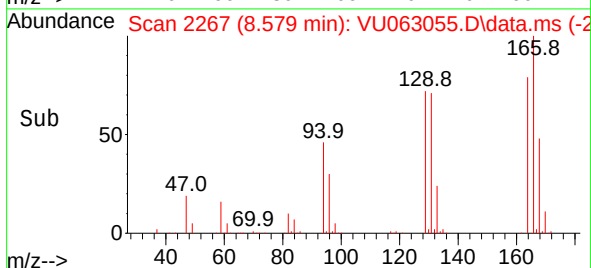
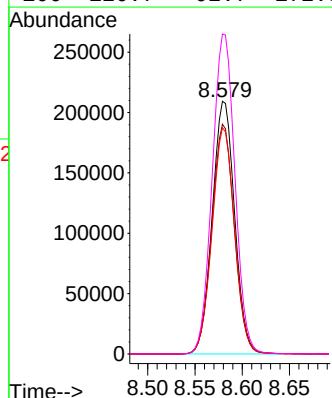
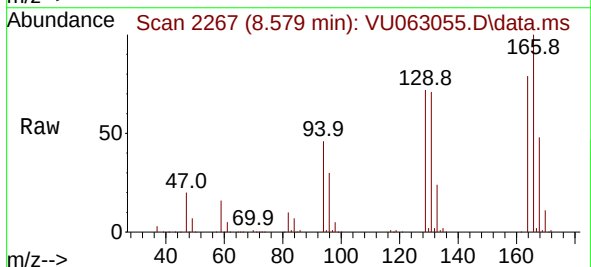
Ion Ratio Lower Upper

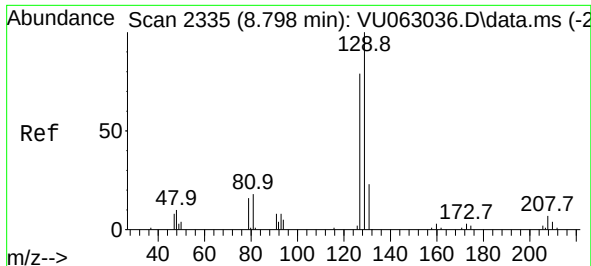
164 100

129 90.9 71.0 131.9

131 89.6 69.4 129.0

166 126.7 92.7 172.3





#49

Dibromochloromethane

Concen: 4.782 ug/L

RT: 8.833 min Scan# 2346

Delta R.T. 0.035 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

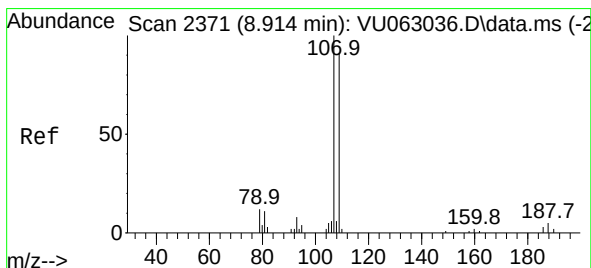
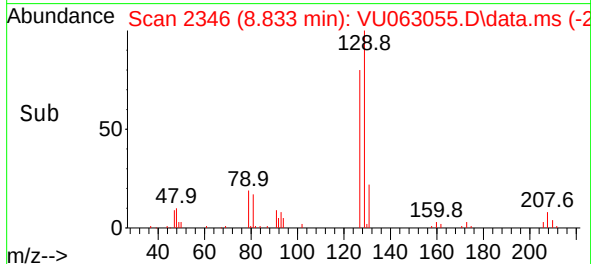
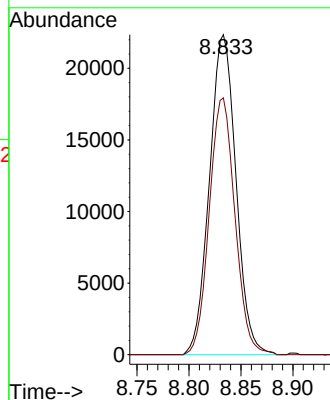
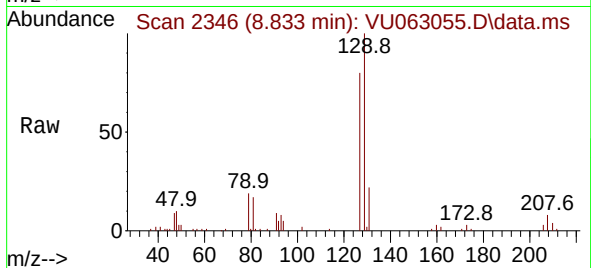
ClientSampleId :

Tgt Ion:129 Resp: 39724

Ion Ratio Lower Upper

129 100

127 80.2 52.1 96.9



#50

1,2-Dibromoethane

Concen: 4.703 ug/L

RT: 8.949 min Scan# 2382

Delta R.T. 0.035 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

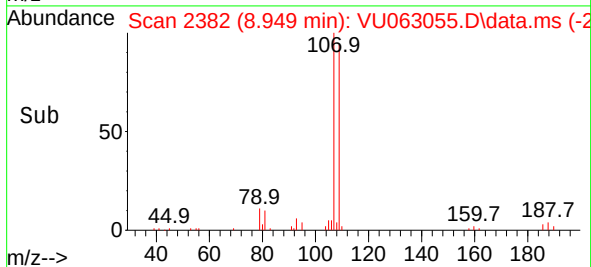
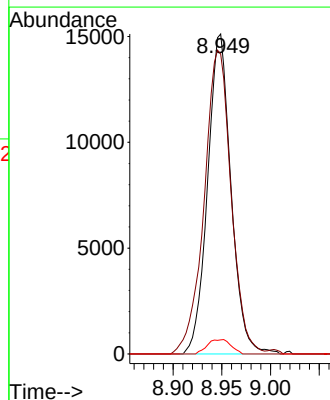
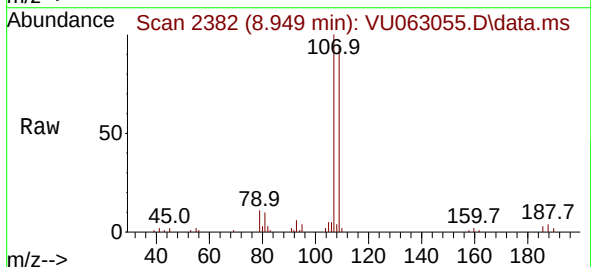
Tgt Ion:107 Resp: 25290

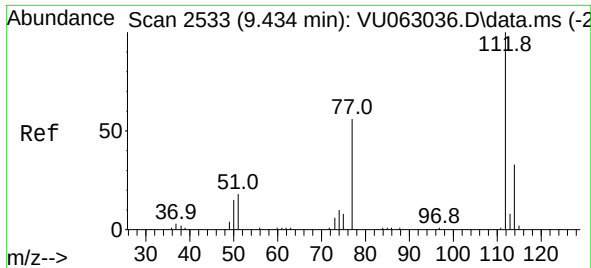
Ion Ratio Lower Upper

107 100

109 93.7 65.7 121.9

188 4.4 3.4 5.2





#51

Chlorobenzene

Concen: 4.944 ug/L

RT: 9.460 min Scan# 2541

Delta R.T. 0.026 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

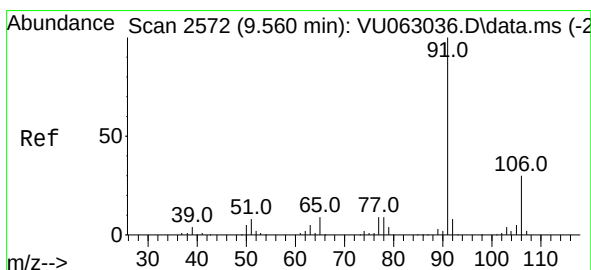
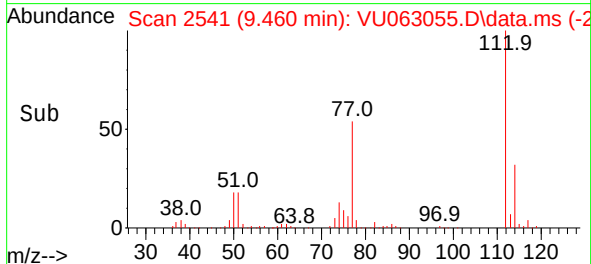
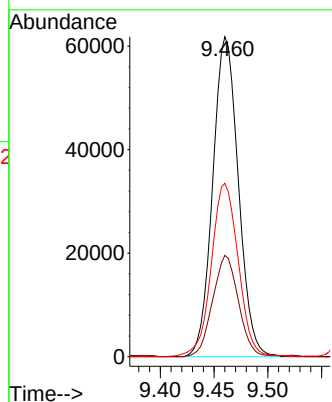
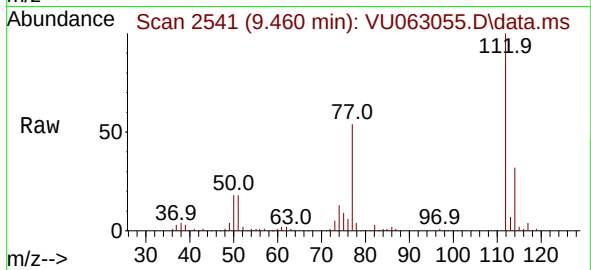
Tgt Ion:112 Resp: 102469

Ion Ratio Lower Upper

112 100

114 31.6 21.7 40.3

77 54.2 48.6 73.0



#52

Ethylbenzene

Concen: 6.738 ug/L

RT: 9.582 min Scan# 2579

Delta R.T. 0.022 min

Lab File: VU063055.D

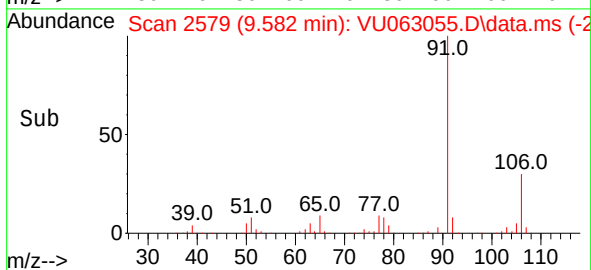
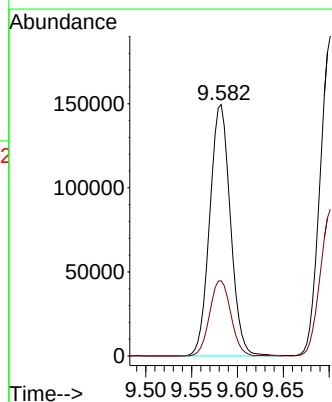
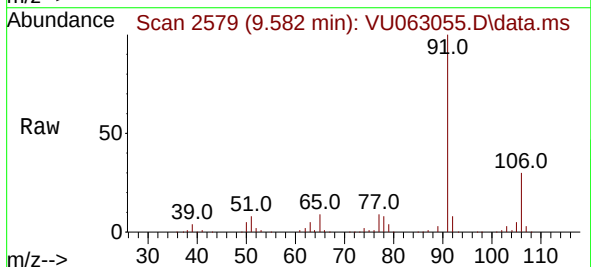
Acq: 28 Jan 2025 08:10

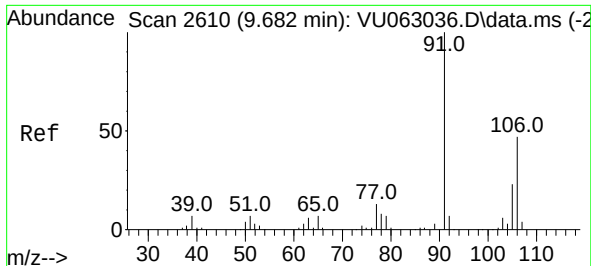
Tgt Ion: 91 Resp: 234710

Ion Ratio Lower Upper

91 100

106 29.9 21.9 40.7





#53

m,p-Xylene

Concen: 10.630 ug/L

RT: 9.701 min Scan# 2

Delta R.T. 0.019 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

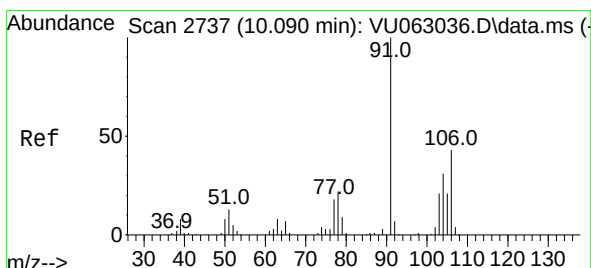
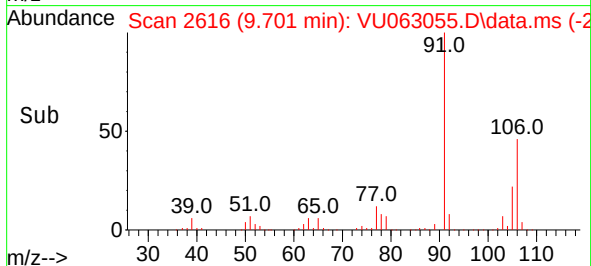
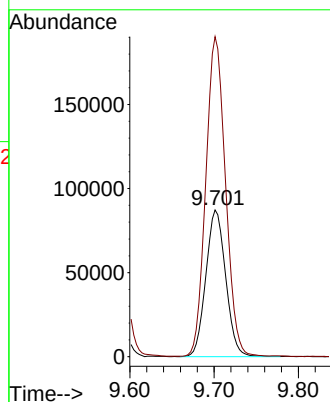
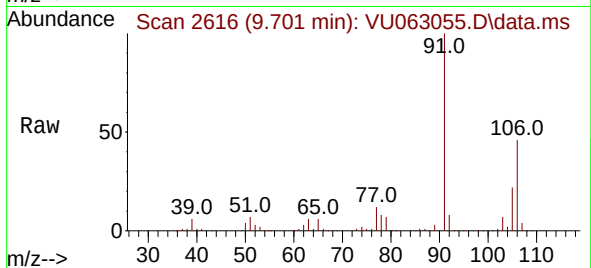
ClientSampleId :

Tgt Ion:106 Resp: 143002

Ion Ratio Lower Upper

106 100

91 218.2 153.1 284.3



#54

o-Xylene

Concen: 8.761 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.016 min

Lab File: VU063055.D

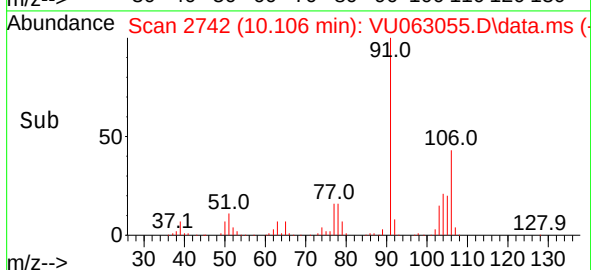
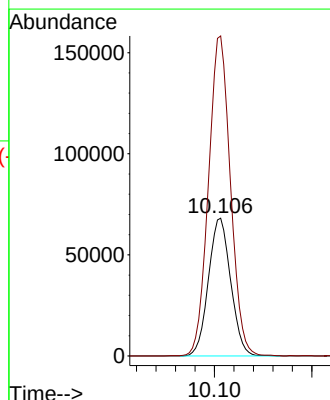
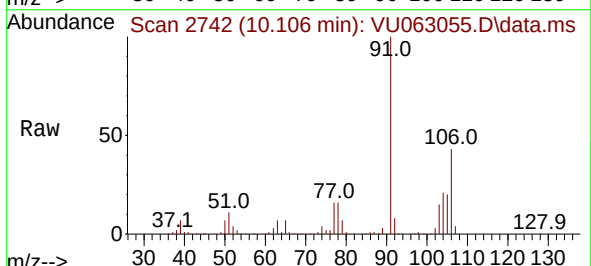
Acq: 28 Jan 2025 08:10

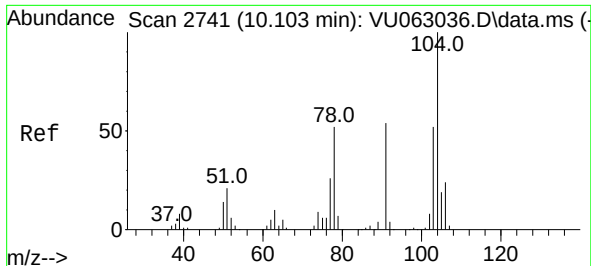
Tgt Ion:106 Resp: 107971

Ion Ratio Lower Upper

106 100

91 232.3 160.4 297.8

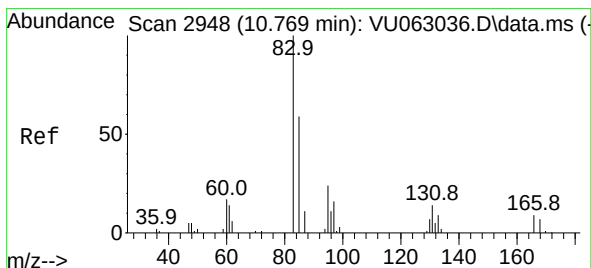
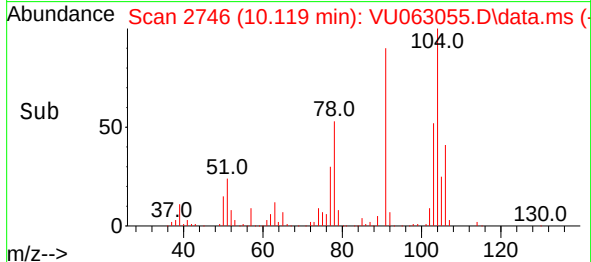
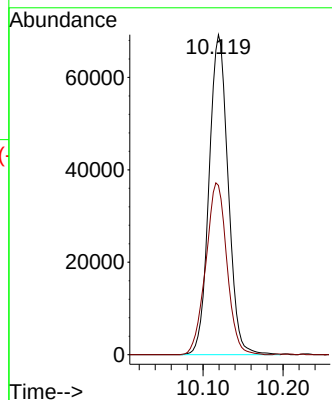
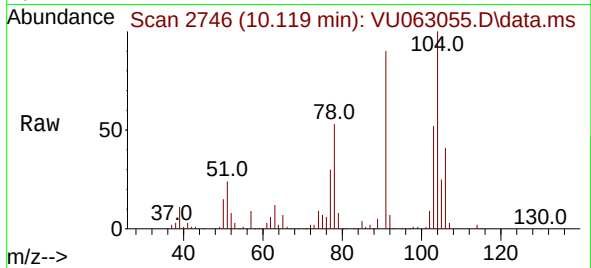




#55
Styrene
Concen: 5.510 ug/L
RT: 10.119 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

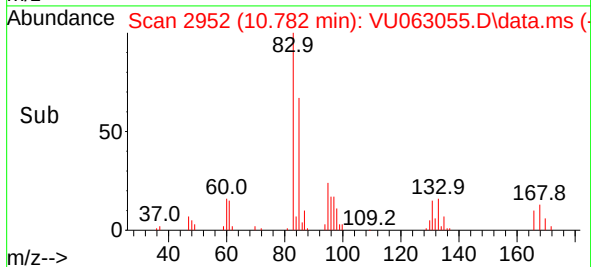
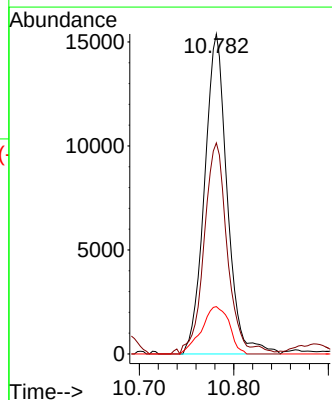
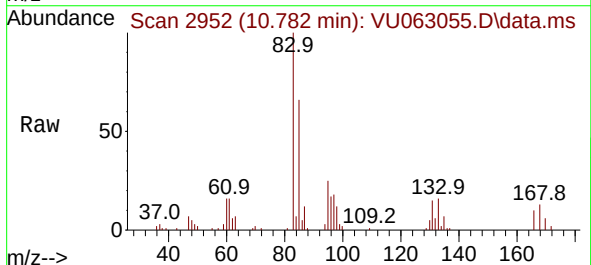
Instrument :
MSVOA_U
ClientSampleId :

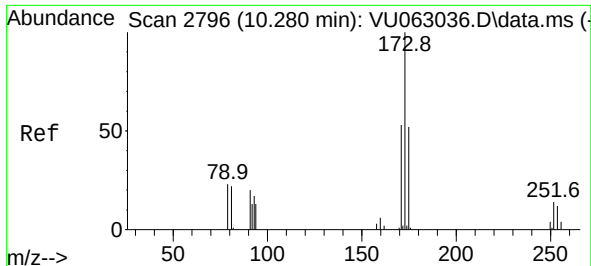
Tgt Ion:104 Resp: 114803
Ion Ratio Lower Upper
104 100
78 52.9 35.5 65.9



#57
1,1,2,2-Tetrachloroethane
Concen: 4.296 ug/L
RT: 10.782 min Scan# 2952
Delta R.T. 0.013 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

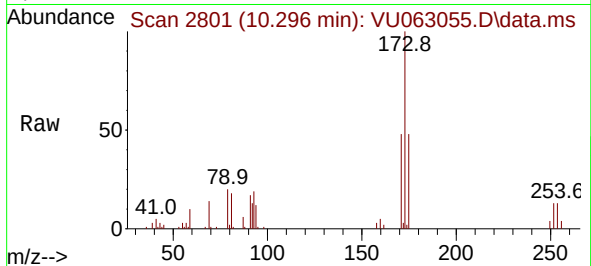
Tgt Ion: 83 Resp: 25583
Ion Ratio Lower Upper
83 100
85 66.0 43.0 79.8
131 14.8 7.4 11.0#



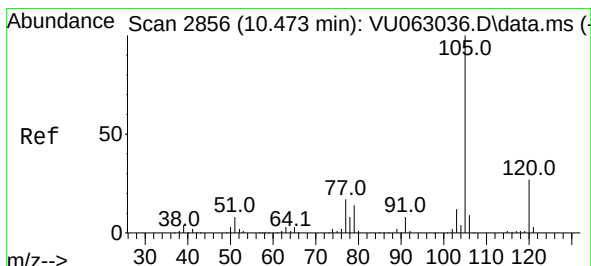
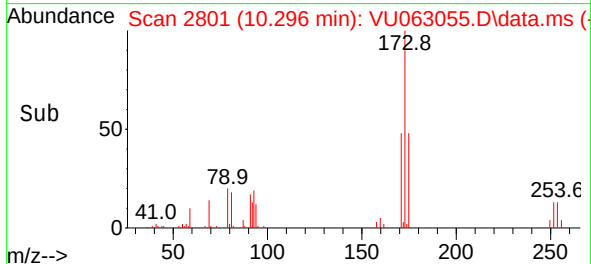
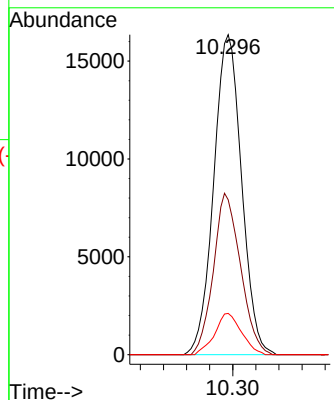


#59
Bromoform
Concen: 4.707 ug/L
RT: 10.296 min Scan# 2796
Delta R.T. 0.016 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Instrument :
MSVOA_U
ClientSampleId :

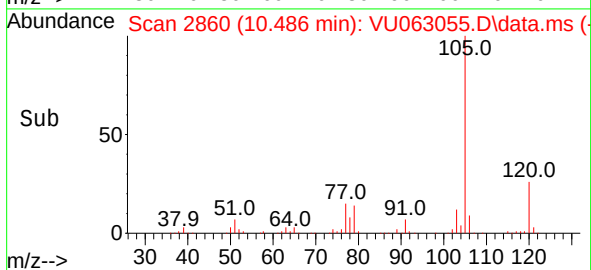
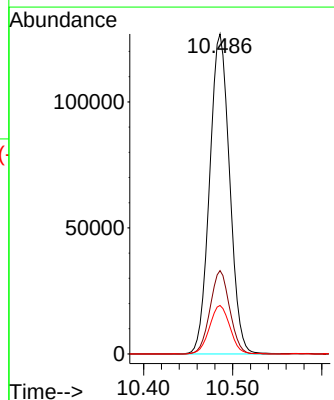
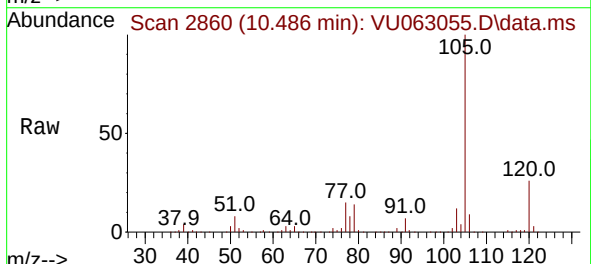


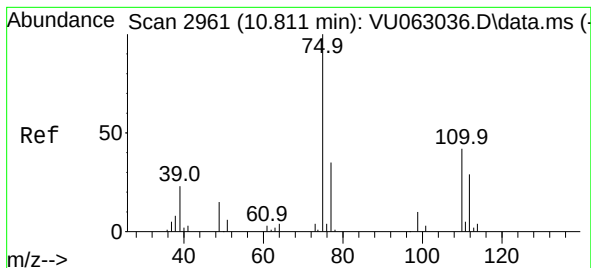
Tgt Ion:173 Resp: 27388
Ion Ratio Lower Upper
173 100
175 49.0 39.8 59.8
254 12.4 8.6 12.8



#60
Isopropylbenzene
Concen: 5.087 ug/L
RT: 10.486 min Scan# 2860
Delta R.T. 0.013 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:105 Resp: 197352
Ion Ratio Lower Upper
105 100
120 25.6 20.2 30.2
77 15.6 13.0 19.4





#61

1,2,3-Trichloropropane

Concen: 3.943 ug/L

RT: 10.823 min Scan# 2965

Delta R.T. 0.013 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :

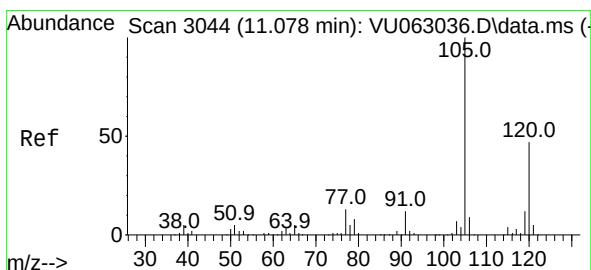
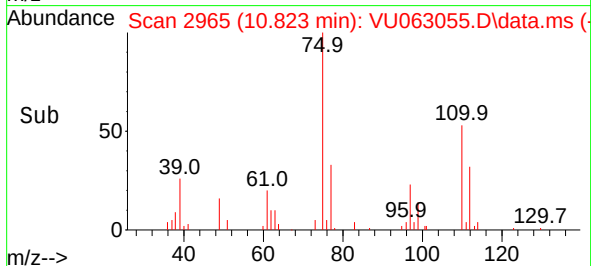
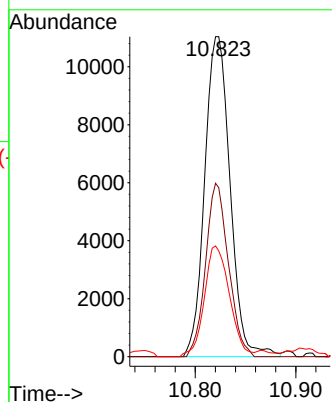
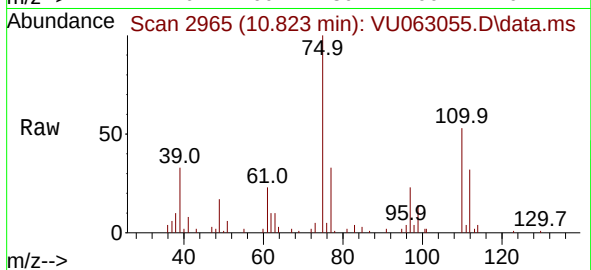
Tgt Ion: 75 Resp: 19428

Ion Ratio Lower Upper

75 100

110 48.7 33.2 49.8

77 34.2 25.9 38.9



#62

1,3,5-Trimethylbenzene

Concen: 5.500 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.006 min

Lab File: VU063055.D

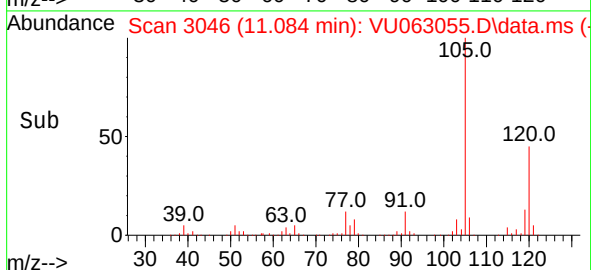
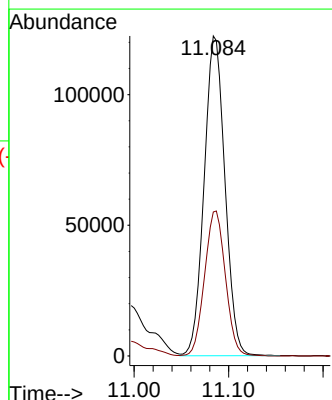
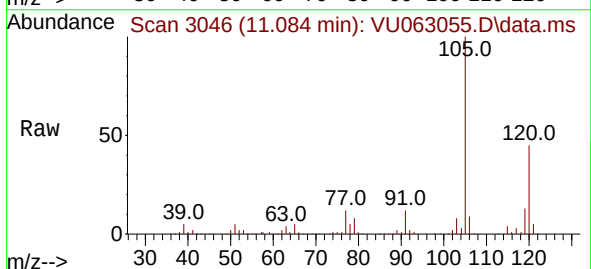
Acq: 28 Jan 2025 08:10

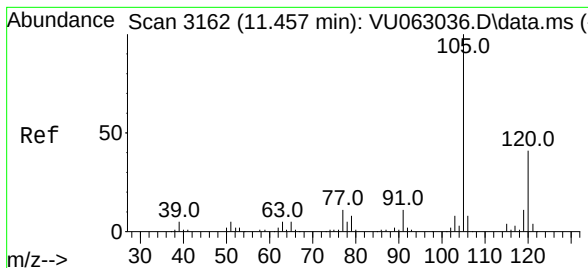
Tgt Ion:105 Resp: 187096

Ion Ratio Lower Upper

105 100

120 45.4 35.9 53.9





#63

1,2,4-Trimethylbenzene

Concen: 6.874 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.006 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

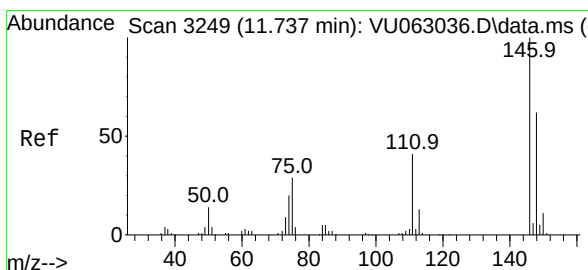
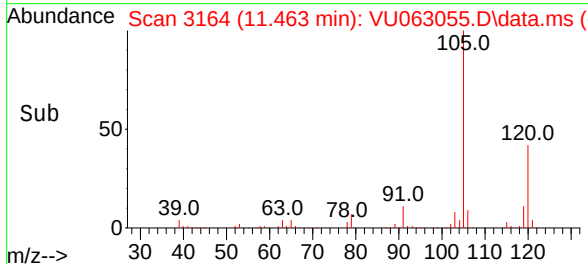
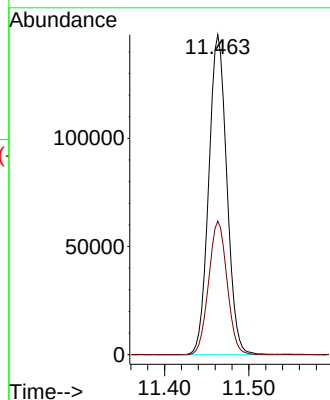
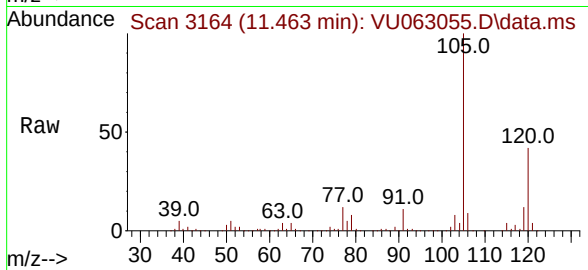
ClientSampleId :

Tgt Ion:105 Resp: 221157

Ion Ratio Lower Upper

105 100

120 42.5 34.2 51.2



#64

1,3-Dichlorobenzene

Concen: 4.794 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

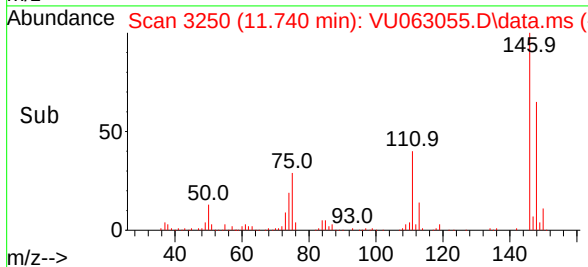
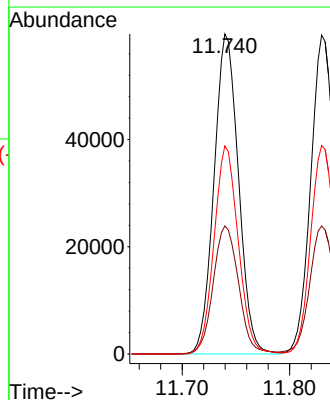
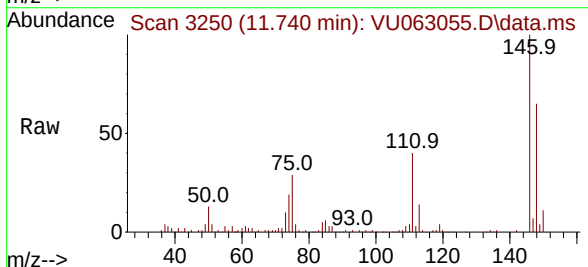
Tgt Ion:146 Resp: 94423

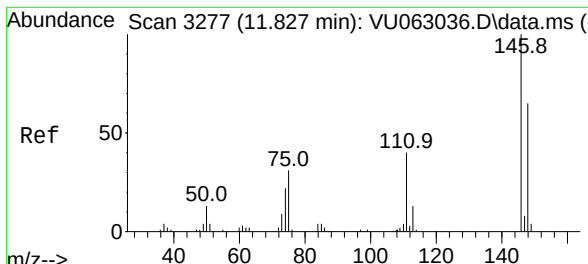
Ion Ratio Lower Upper

146 100

111 40.0 28.6 53.0

148 65.0 44.0 81.6

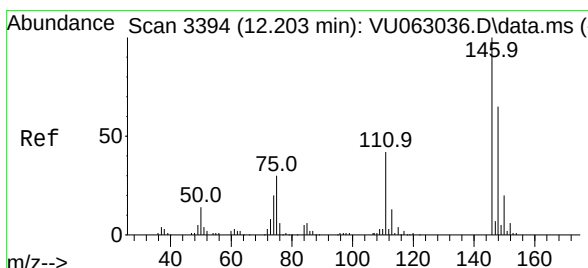
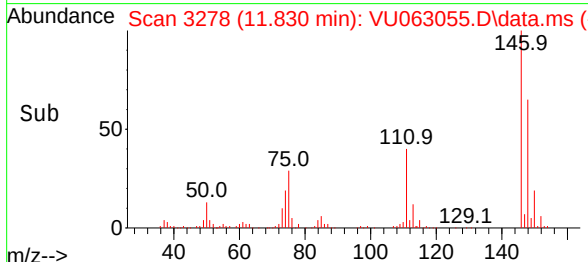
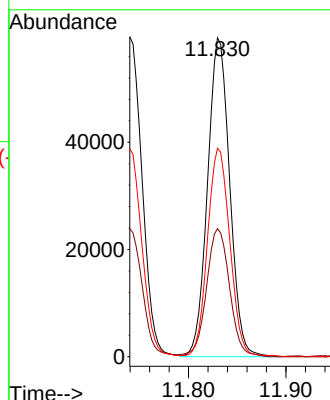
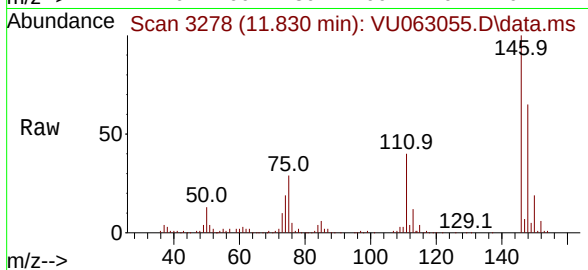




#65
1,4-Dichlorobenzene
Concen: 4.758 ug/L
RT: 11.830 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

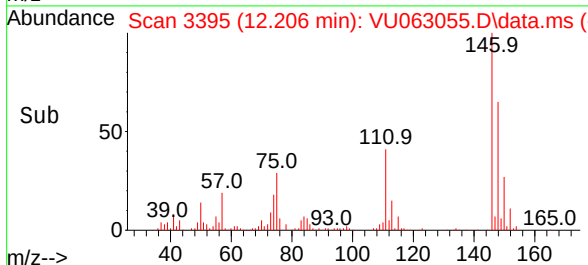
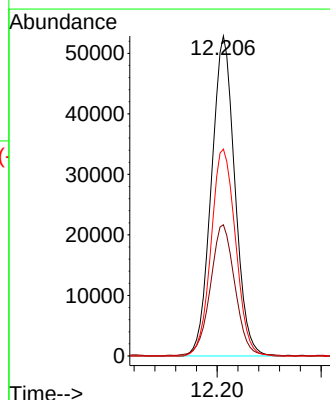
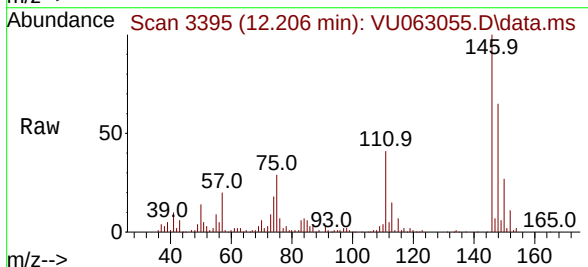
Instrument :
MSVOA_U
ClientSampleId :

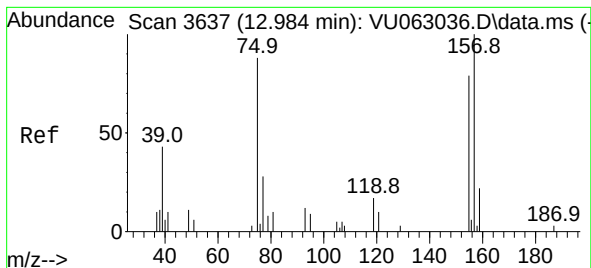
Tgt Ion:146 Resp: 94021
Ion Ratio Lower Upper
146 100
111 40.2 29.5 54.9
148 65.4 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 4.467 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:146 Resp: 82780
Ion Ratio Lower Upper
146 100
111 41.0 36.3 54.5
148 64.7 52.0 78.0

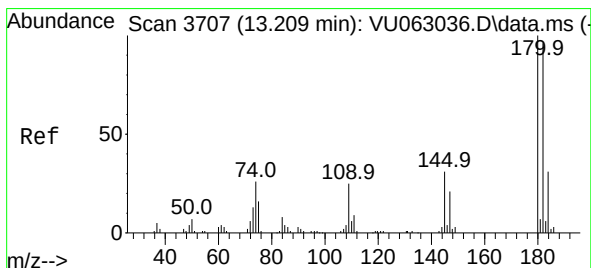
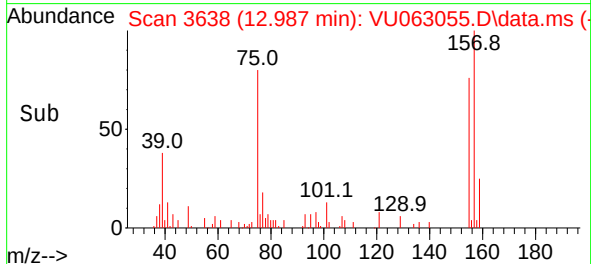
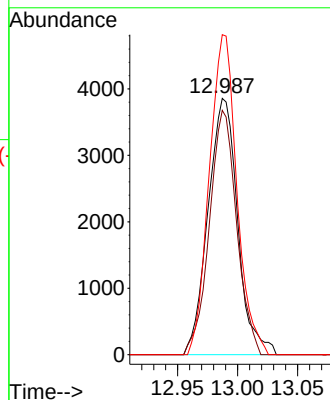
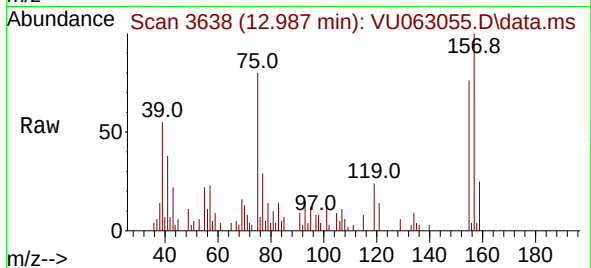




#68
1,2-Dibromo-3-chloropropane
Concen: 5.088 ug/L
RT: 12.987 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

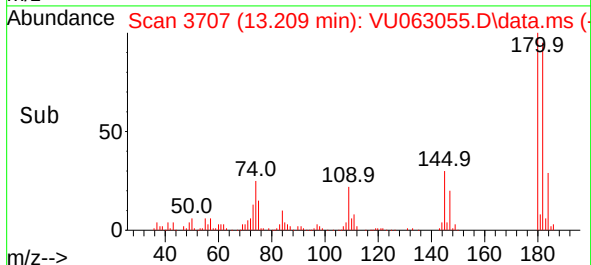
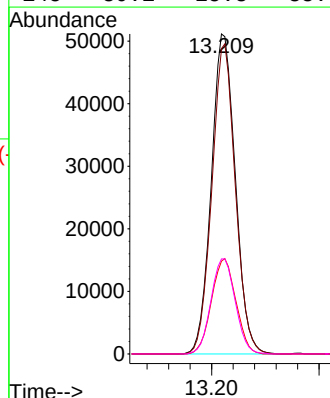
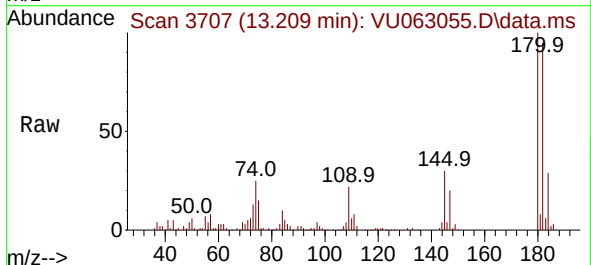
Instrument :
MSVOA_U
ClientSampleId :

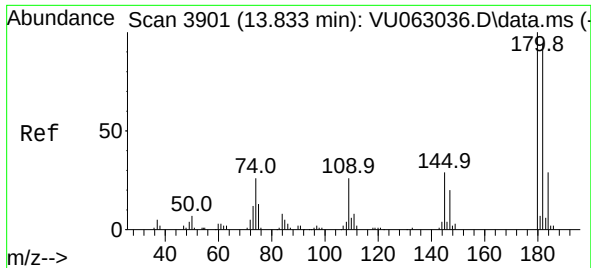
Tgt Ion: 75 Resp: 6629
Ion Ratio Lower Upper
75 100
155 95.3 59.6 89.4#
157 124.8 70.8 106.2#



#69
1,3,5-Trichlorobenzene
Concen: 5.027 ug/L
RT: 13.209 min Scan# 3707
Delta R.T. -0.000 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

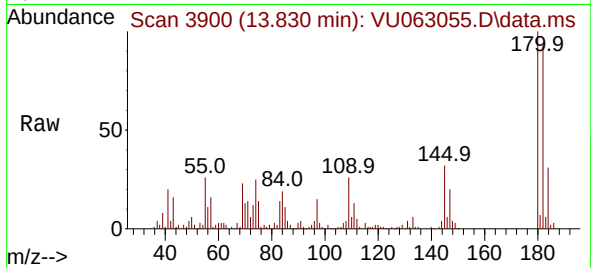
Tgt Ion:180 Resp: 79108
Ion Ratio Lower Upper
180 100
182 94.7 75.8 113.8
184 30.2 24.7 37.1
145 30.1 25.8 38.6



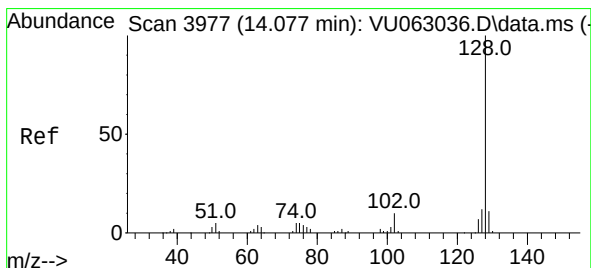
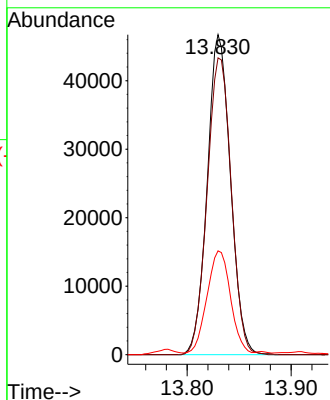
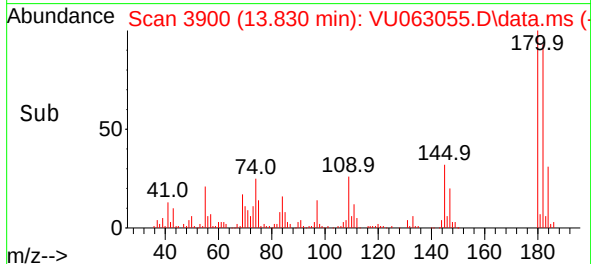


#70
1,2,4-trichlorobenzene
Concen: 5.892 ug/L
RT: 13.830 min Scan# 3901
Delta R.T. -0.003 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Instrument :
MSVOA_U
ClientSampleId :

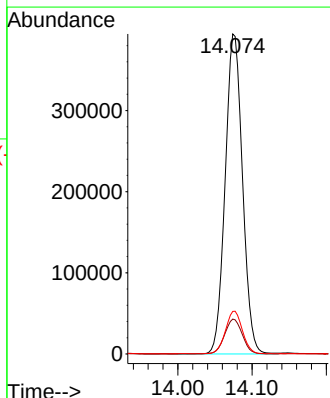
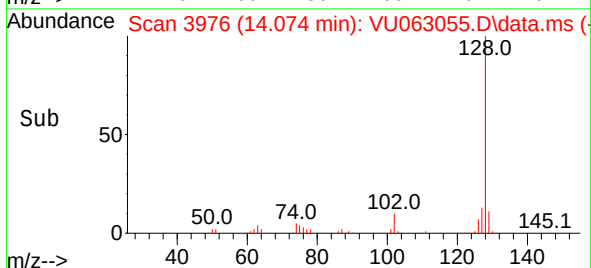
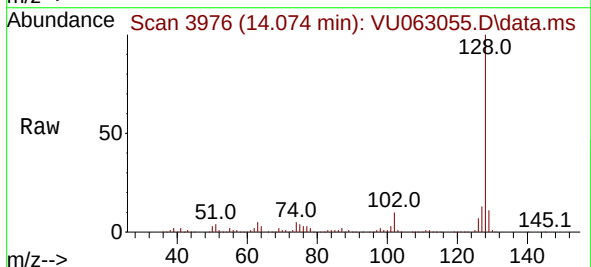


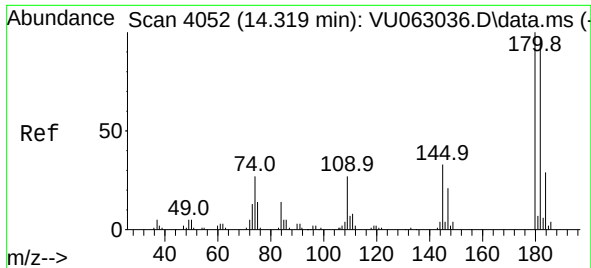
Tgt Ion:180 Resp: 72554
Ion Ratio Lower Upper
180 100
182 96.0 77.1 115.7
145 32.3 26.9 40.3



#71
Naphthalene
Concen: 40.502 ug/L
RT: 14.074 min Scan# 3976
Delta R.T. -0.003 min
Lab File: VU063055.D
Acq: 28 Jan 2025 08:10

Tgt Ion:128 Resp: 640039
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.0 10.2 15.2





#72

1,2,3-Trichlorobenzene

Concen: 5.979 ug/L

RT: 14.318 min Scan# 4052

Delta R.T. -0.000 min

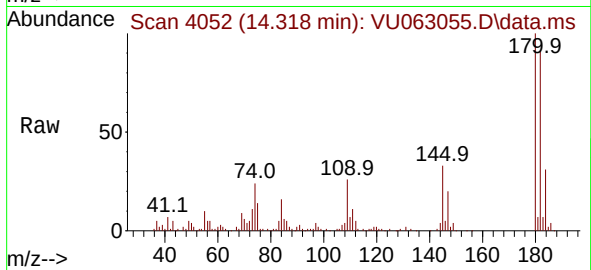
Lab File: VU063055.D

Acq: 28 Jan 2025 08:10

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 63620

Ion Ratio Lower Upper

180 100

182 94.3 79.8 119.6

145 34.8 29.2 43.8

