

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063621.D
 Acq On : 22 Sep 2025 15:57
 Operator : MD/SY
 Sample : Q2899-05
 Misc : 5.00g/5.0mL/100uL/5mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 23 05:55:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	237966	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	228114	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109395	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	76051	47.648	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.300%		
7) Chloroethane-d5	1.898	69	69117	50.899	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.800%		
11) 1,1-Dichloroethene-d2	2.550	63	103287	36.214	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.420%		
21) 2-Butanone-d5	4.615	46	113230	102.817	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.820%		
24) Chloroform-d	5.049	84	142362	47.670	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.340%		
26) 1,2-Dichloroethane-d4	5.689	65	100283	51.541	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.080%		
32) Benzene-d6	5.714	84	282594	51.722	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.440%		
36) 1,2-Dichloropropane-d6	6.679	67	92019	51.554	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.100%		
41) Toluene-d8	7.888	98	253599	49.390	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.780%		
43) trans-1,3-Dichloroprop...	8.171	79	29372	45.432	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.860%		
47) 2-Hexanone-d5	8.624	63	66409	101.539	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.540%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	136367	49.616	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.240%		
66) 1,2-Dichlorobenzene-d4	12.183	152	94995	51.674	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	2822	2.204	ug/L	96
3) Chloromethane	1.515	50	4236	2.566	ug/L	100
5) Vinyl chloride	1.595	62	4651	2.367	ug/L #	68
6) Bromomethane	1.840	94	3037	2.439	ug/L	93
8) Chloroethane	1.917	64	2898	2.177	ug/L	91
9) Trichlorofluoromethane	2.123	101	6108	2.134	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	4345	2.759	ug/L #	75
12) 1,1-Dichloroethene	2.563	96	3553	2.536	ug/L #	1
13) Acetone	2.621	43	5214	3.967	ug/L	93
14) Carbon disulfide	2.779	76	7678	2.112	ug/L	100
15) Methyl Acetate	2.949	43	1194	0.612	ug/L #	47
16) Methylene chloride	3.029	84	6716	3.791	ug/L	90
17) trans-1,2-Dichloroethene	3.341	96	3245	2.151	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	10017	2.053	ug/L	96
19) 1,1-Dichloroethane	3.859	63	5696	1.855	ug/L #	87
20) cis-1,2-Dichloroethene	4.653	96	3507	1.985	ug/L	97
22) 2-Butanone	4.737	43	2822	1.858	ug/L	92
23) Bromochloromethane	4.968	128	1786	1.929	ug/L	94
25) Chloroform	5.071	83	7530	2.309	ug/L	82

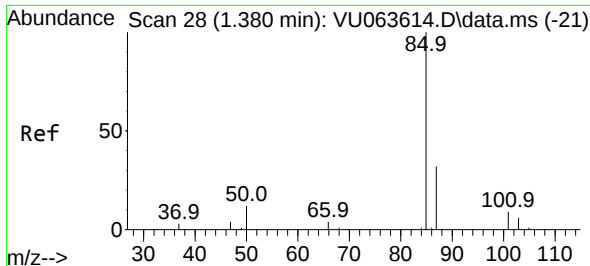
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	5030	1.867	ug/L	98
29) Cyclohexane	5.370	56	5429	2.025	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	4661	1.859	ug/L	98
31) Carbon tetrachloride	5.512	117	3183	1.602	ug/L	90
33) Benzene	5.762	78	13589	2.051	ug/L	100
34) Trichloroethene	6.537	95	4070	2.194	ug/L	90
35) Methylcyclohexane	6.753	83	5792	2.187	ug/L #	91
37) 1,2-Dichloropropane	6.785	63	3255	1.774	ug/L #	95
38) Bromodichloromethane	7.097	83	3908	1.797	ug/L #	87
39) cis-1,3-Dichloropropene	7.602	75	4677	1.961	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	9452	3.576	ug/L	96
42) Toluene	7.962	91	15477	2.131	ug/L	95
44) trans-1,3-Dichloropropene	8.206	75	4107	2.028	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	4121	2.314	ug/L	86
46) Tetrachloroethene	8.547	164	2591	1.918	ug/L	90
48) 2-Hexanone	8.682	43	11947	5.975	ug/L #	88
49) Dibromochloromethane	8.798	129	2763	1.733	ug/L	98
50) 1,2-Dibromoethane	8.917	107	3765	2.042	ug/L #	99
51) Chlorobenzene	9.441	112	10204	2.123	ug/L	99
52) Ethylbenzene	9.563	91	15841	1.973	ug/L	90
53) m,p-Xylene	9.688	106	5837	1.948	ug/L	94
54) o-Xylene	10.094	106	6011	2.014	ug/L	83
55) Styrene	10.116	104	8791	1.802	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.772	83	7005	2.327	ug/L #	94
59) Bromoform	10.286	173	1770	1.662	ug/L #	89
60) 1,2,3-Trichloropropane	10.814	75	5362	2.325	ug/L	96
61) Isopropylbenzene	10.479	105	15112	2.025	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	11992	1.954	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	11404	1.917	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	7218	2.123	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	7916	2.301	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	7810	2.336	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.222	180	4905	2.063	ug/L	97
70) 1,2,4-trichlorobenzene	13.849	180	4368	2.226	ug/L #	87
71) Naphthalene	14.097	128	12335	2.313	ug/L	96
72) 1,2,3-Trichlorobenzene	14.328	180	4162	2.212	ug/L	99

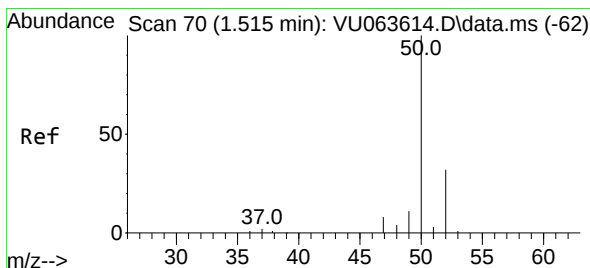
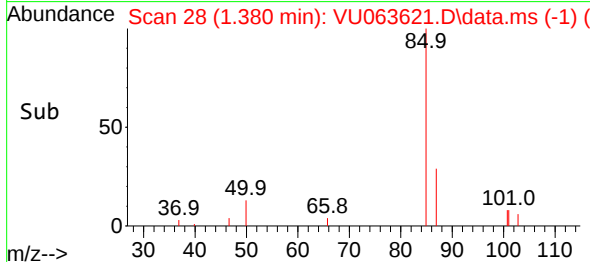
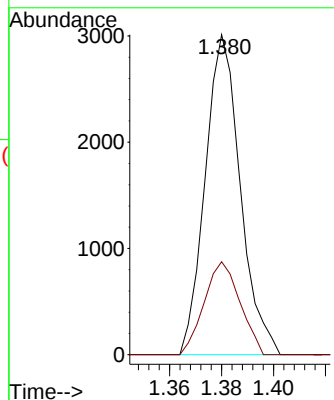
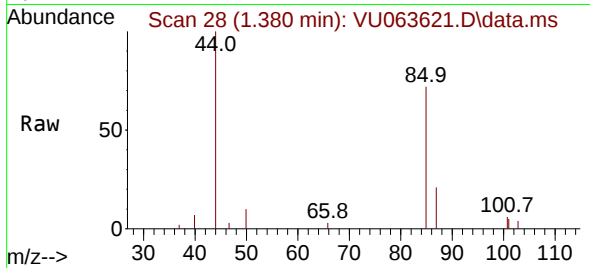
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#2
Dichlorodifluoromethane
Concen: 2.204 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

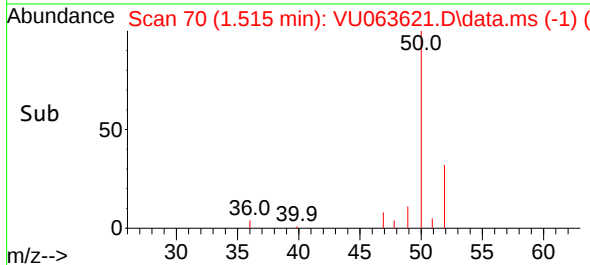
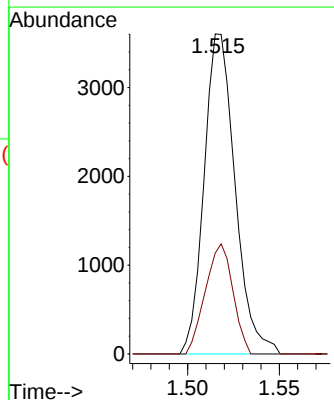
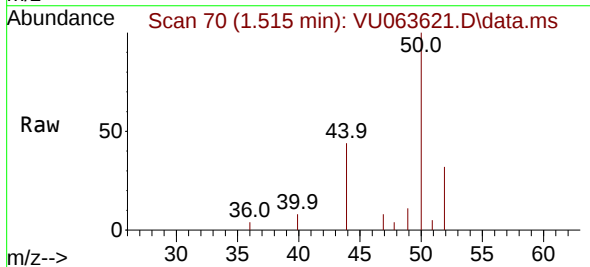
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MSVOA_U
ClientSampleId :

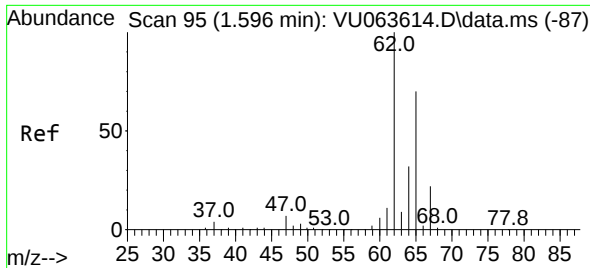
Tgt Ion: 85 Resp: 2822
Ion Ratio Lower Upper
85 100
87 29.6 25.5 38.3



#3
Chloromethane
Concen: 2.566 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 50 Resp: 4236
Ion Ratio Lower Upper
50 100
52 31.5 22.2 41.2

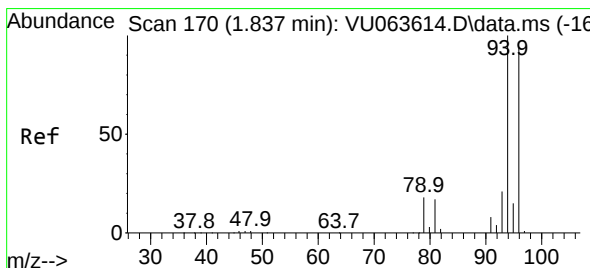
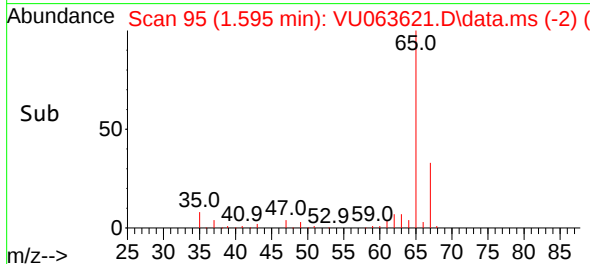
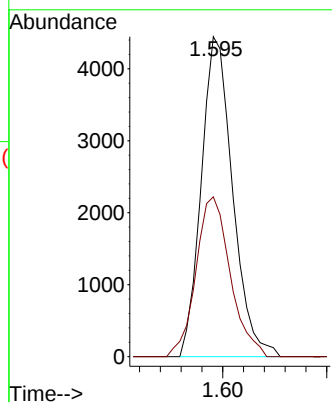
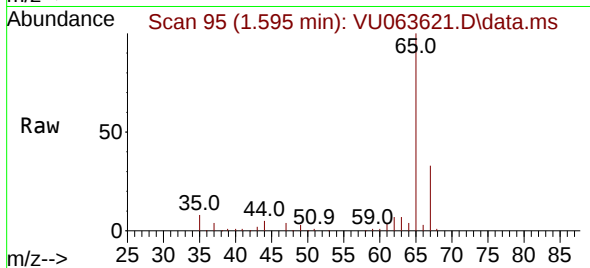




#5
 Vinyl chloride
 Concen: 2.367 ug/L
 RT: 1.595 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

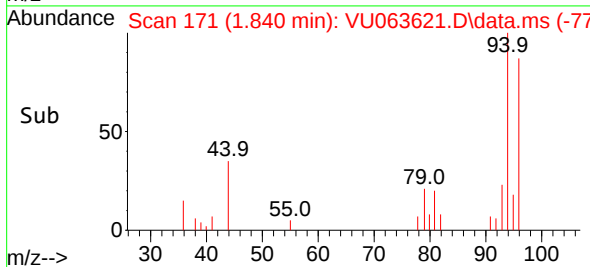
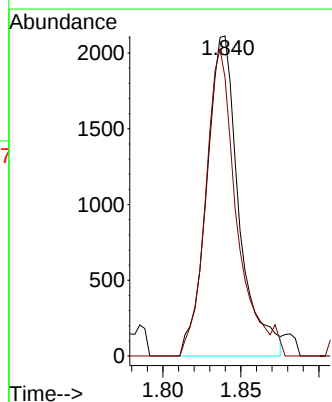
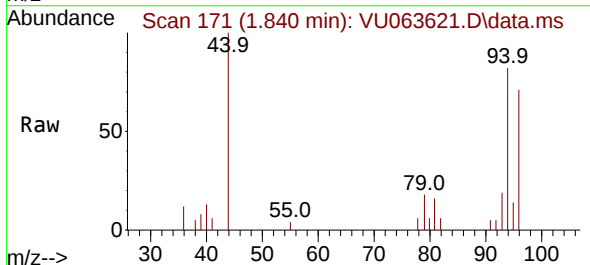
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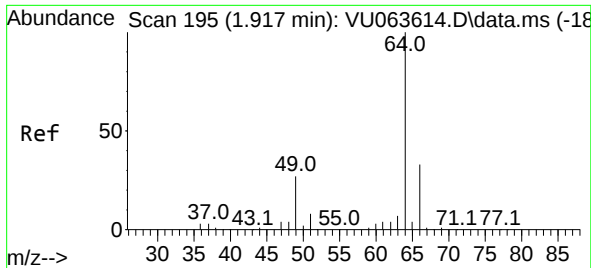
Tgt Ion: 62 Resp: 4651
 Ion Ratio Lower Upper
 62 100
 64 49.9 22.5 41.7#



#6
 Bromomethane
 Concen: 2.439 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.003 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

Tgt Ion: 94 Resp: 3037
 Ion Ratio Lower Upper
 94 100
 96 87.0 65.7 122.1

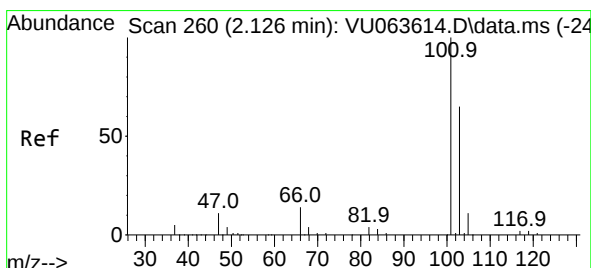
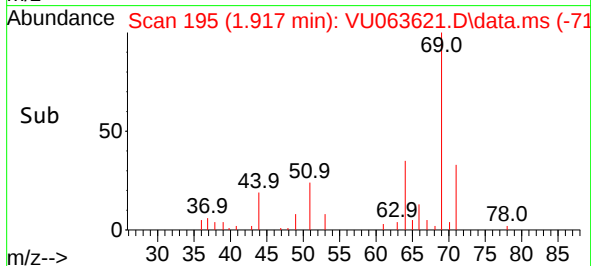
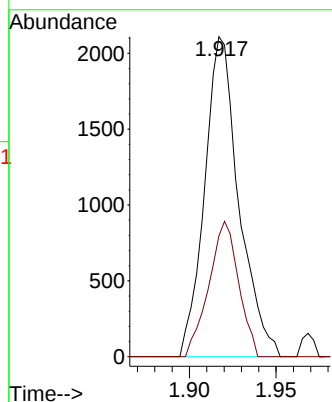
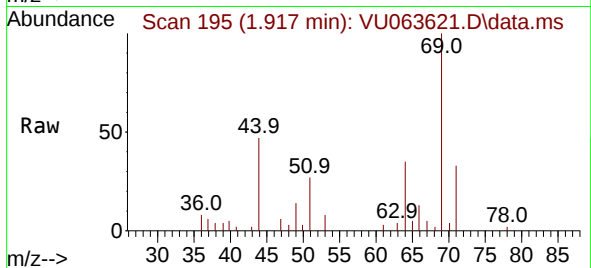




#8
Chloroethane
Concen: 2.177 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

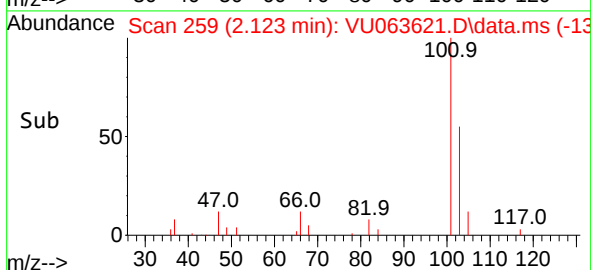
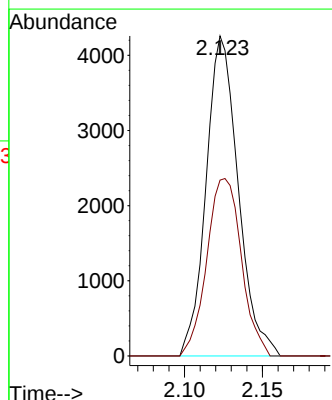
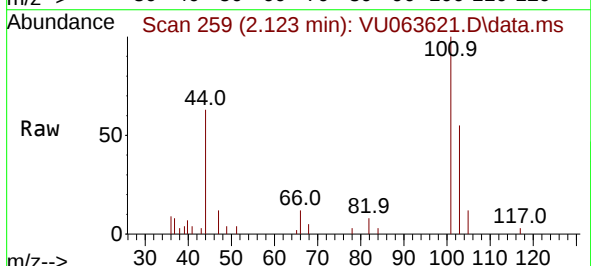
Instrument :
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ClientSampleId :

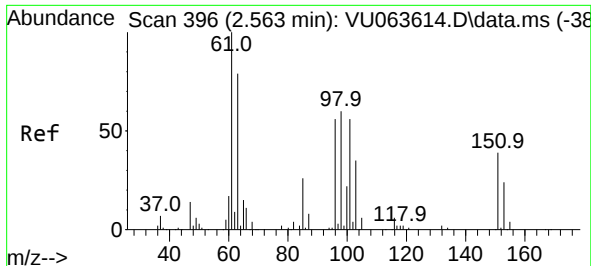
Tgt Ion: 64 Resp: 2898
Ion Ratio Lower Upper
64 100
66 37.8 22.8 42.4



#9
Trichlorofluoromethane
Concen: 2.134 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 101 Resp: 6108
Ion Ratio Lower Upper
101 100
103 59.6 51.1 76.7

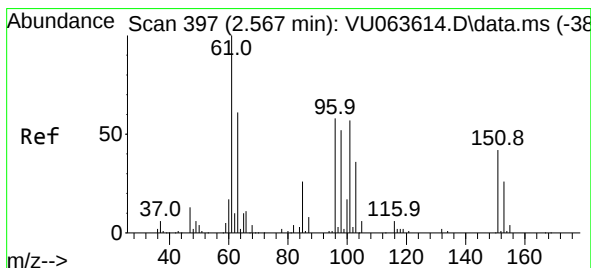
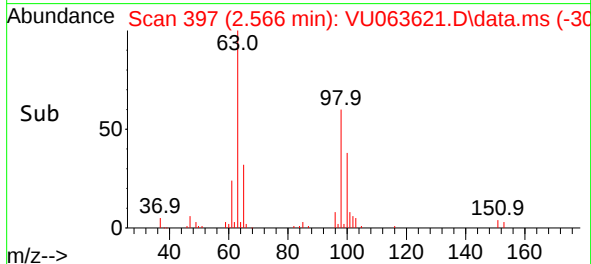
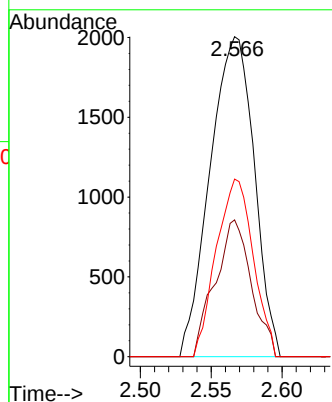
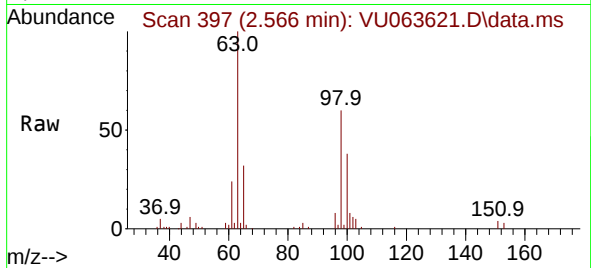




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.759 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. 0.003 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

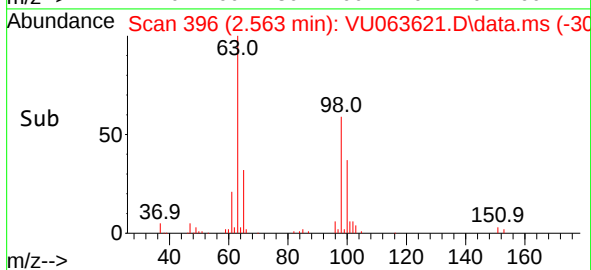
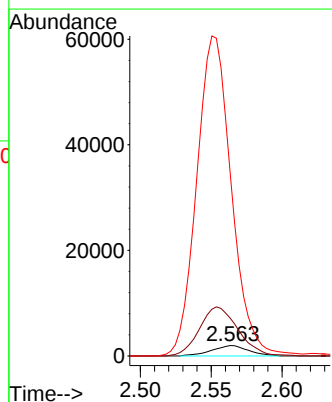
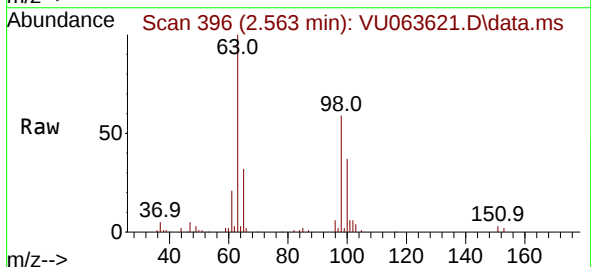
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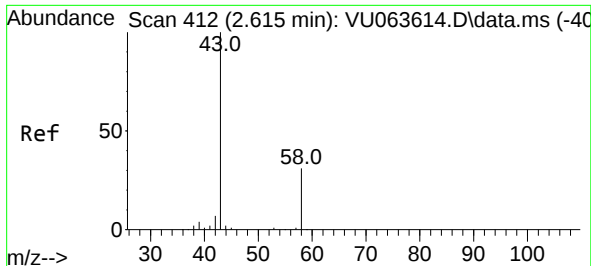
Tgt Ion:101 Resp: 4345
 Ion Ratio Lower Upper
 101 100
 85 35.1 36.8 55.2#
 151 46.6 58.0 87.0#



#12
 1,1-Dichloroethene
 Concen: 2.536 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

Tgt Ion: 96 Resp: 3553
 Ion Ratio Lower Upper
 96 100
 61 364.5 121.4 225.4#
 63 1765.3 81.5 151.3#





#13

Acetone

Concen: 3.967 ug/L

RT: 2.621 min Scan# 412

Delta R.T. 0.006 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

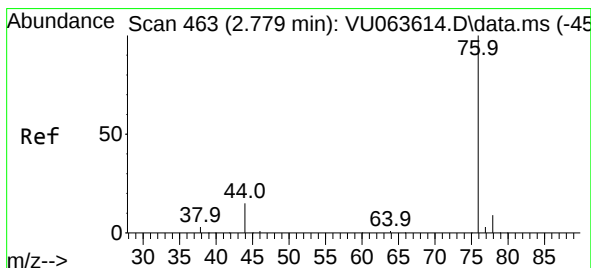
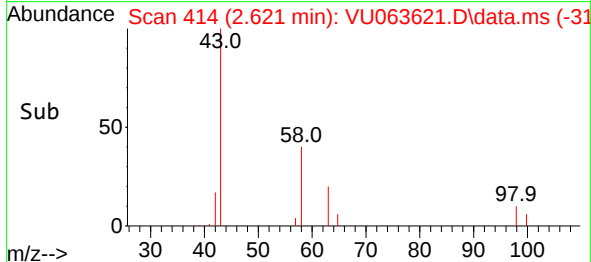
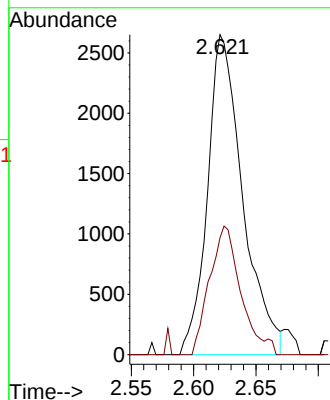
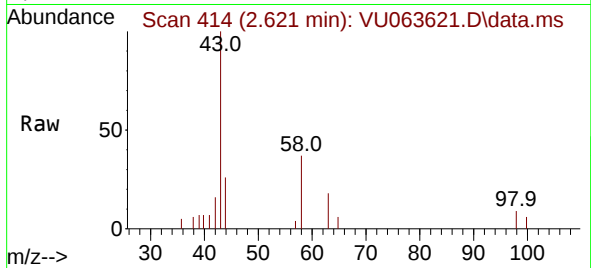
ClientSampleId :

Tgt Ion: 43 Resp: 5214

Ion Ratio Lower Upper

43 100

58 34.9 0.0 62.4



#14

Carbon disulfide

Concen: 2.112 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063621.D

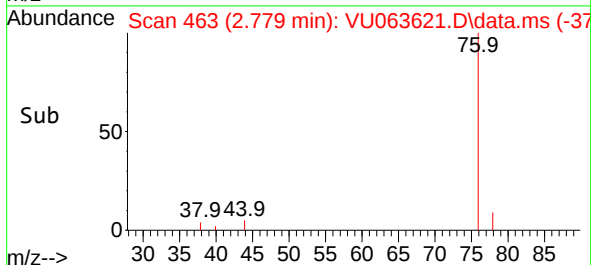
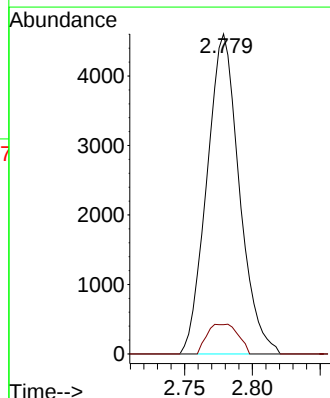
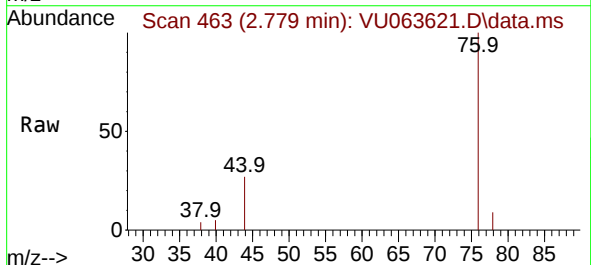
Acq: 22 Sep 2025 15:57

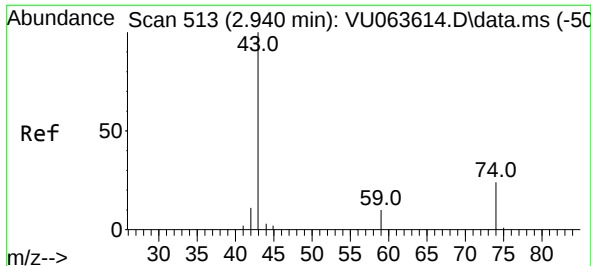
Tgt Ion: 76 Resp: 7678

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

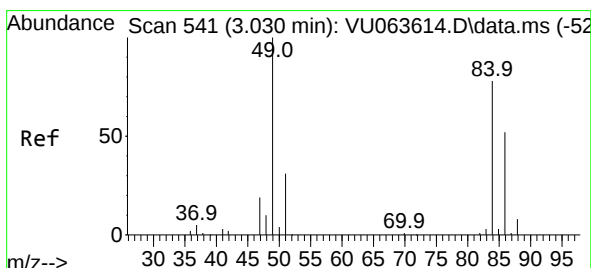
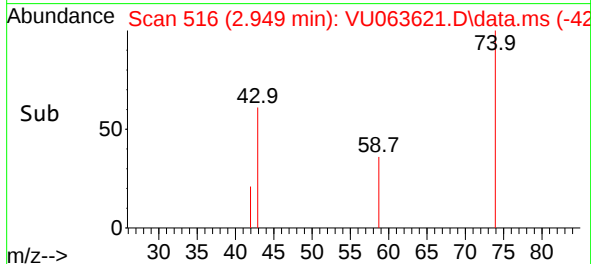
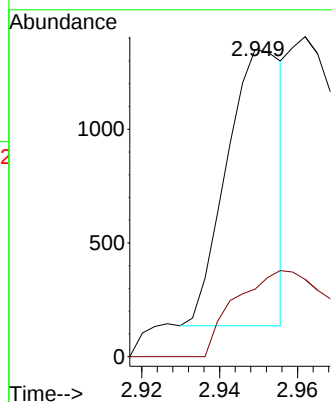
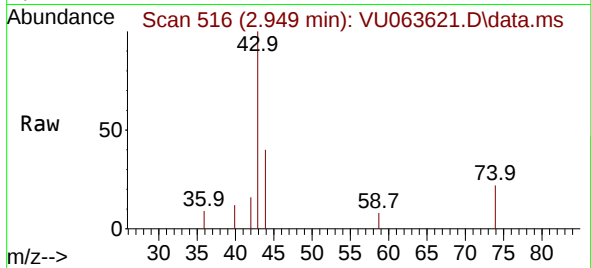




#15
Methyl Acetate
Concen: 0.612 ug/L
RT: 2.949 min Scan# 513
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

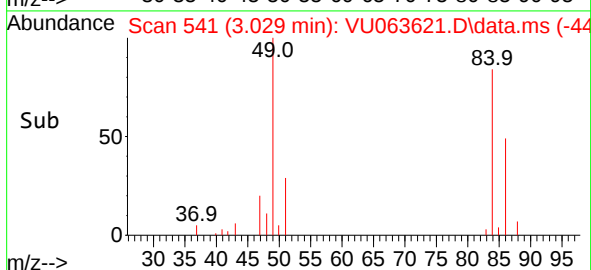
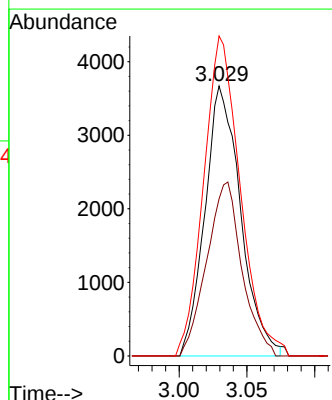
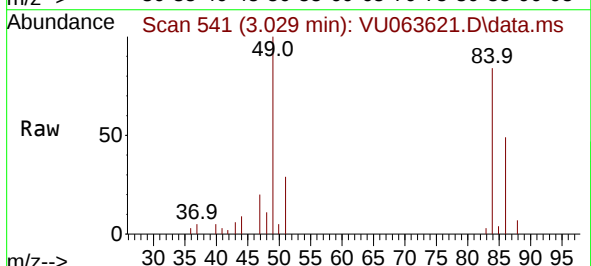
Instrument :
MSVOA_U
ClientSampleId :

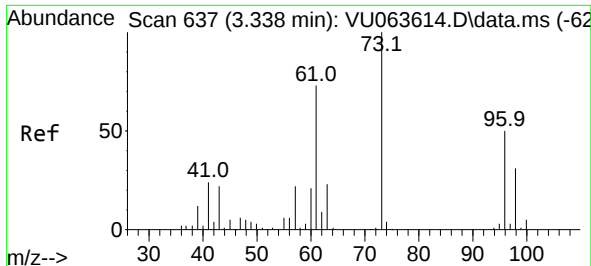
Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
74 47.8 18.0 27.0#



#16
Methylene chloride
Concen: 3.791 ug/L
RT: 3.029 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 84 Resp: 6716
Ion Ratio Lower Upper
84 100
86 58.2 47.2 87.6
49 118.6 90.2 167.4





#17

trans-1,2-Dichloroethene

Concen: 2.151 ug/L

RT: 3.341 min Scan# 61

Delta R.T. 0.003 min

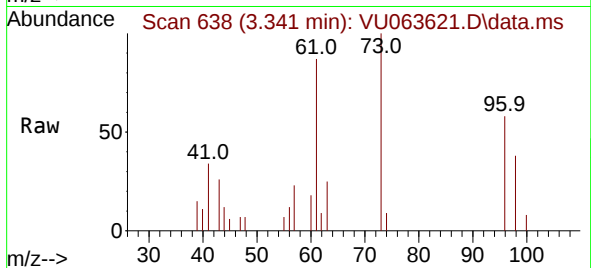
Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :



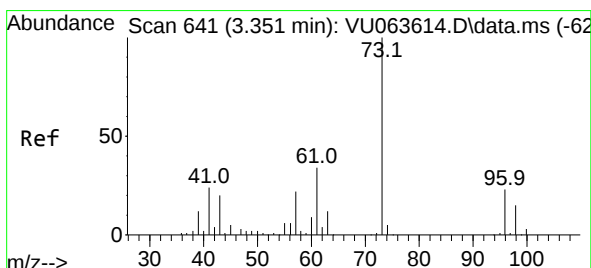
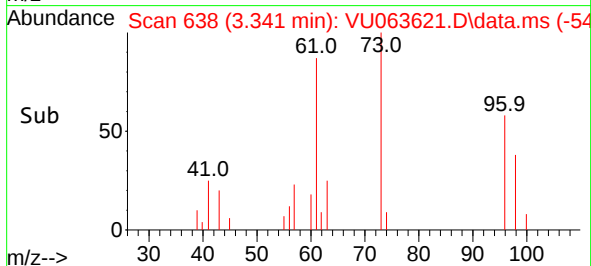
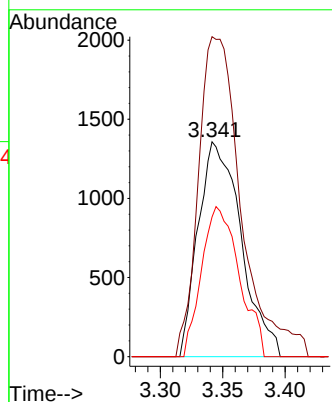
Tgt Ion: 96 Resp: 3245

Ion Ratio Lower Upper

96 100

61 148.9 102.2 189.8

98 64.9 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 2.053 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

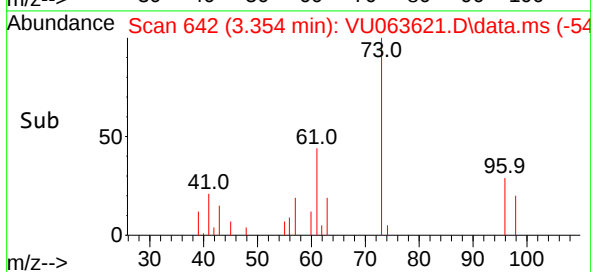
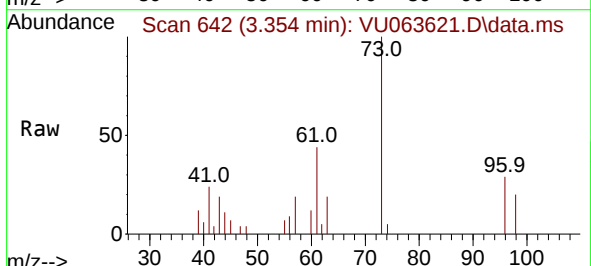
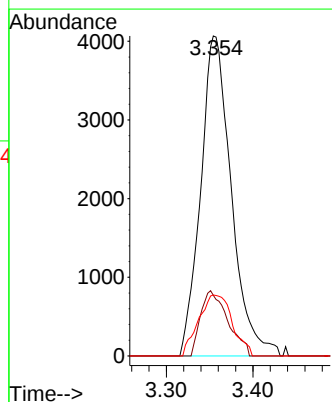
Tgt Ion: 73 Resp: 10017

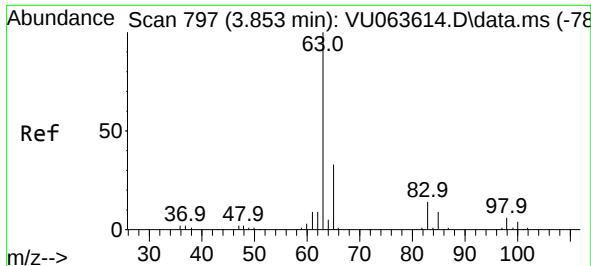
Ion Ratio Lower Upper

73 100

43 18.1 16.5 24.7

57 20.9 17.8 26.6





#19

1,1-Dichloroethane

Concen: 1.855 ug/L

RT: 3.859 min Scan# 797

Delta R.T. 0.006 min

Lab File: VU063621.D

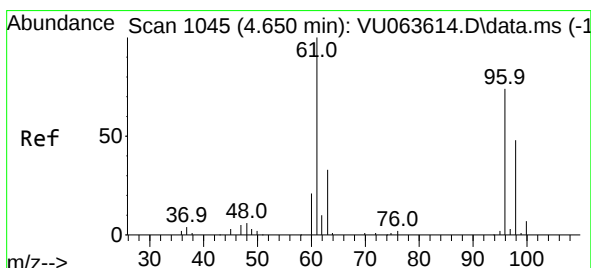
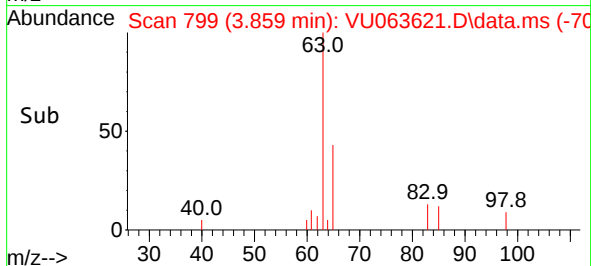
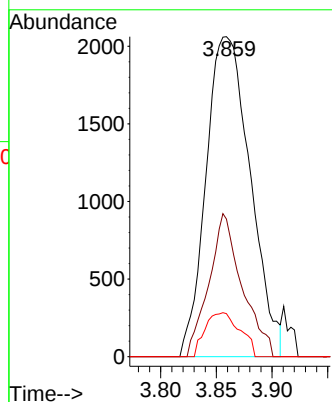
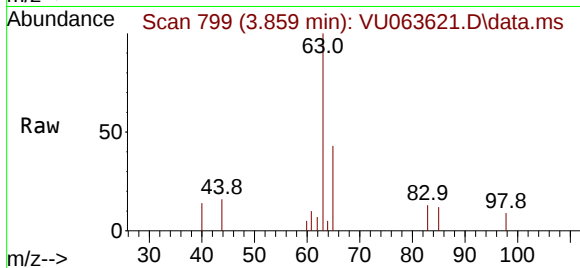
Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	5696
Ion Ratio	Lower	Upper	
63	100		
65	43.0	23.0	42.8#
83	13.4	9.7	17.9



#20

cis-1,2-Dichloroethene

Concen: 1.985 ug/L

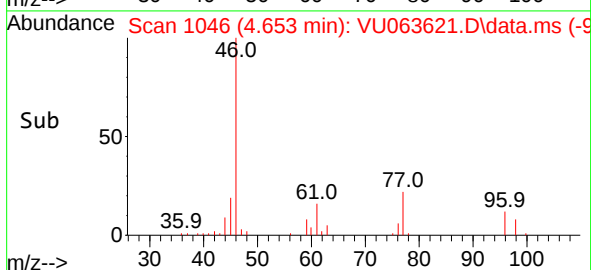
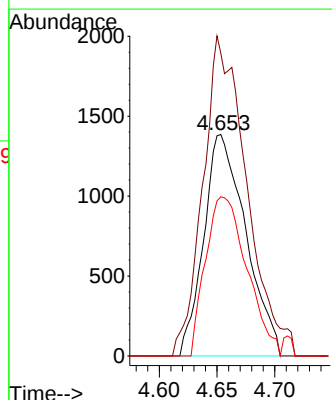
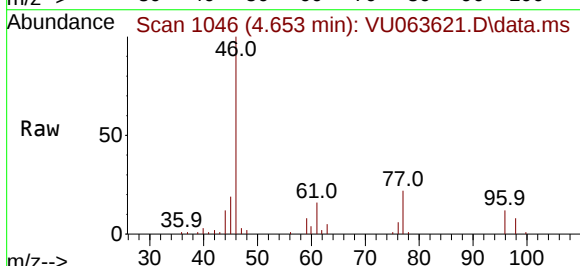
RT: 4.653 min Scan# 1046

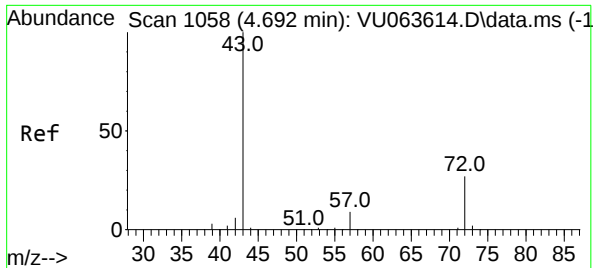
Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Tgt Ion:	96	Resp:	3507
Ion Ratio	Lower	Upper	
96	100		
61	136.8	95.5	177.3
98	71.9	46.1	85.7

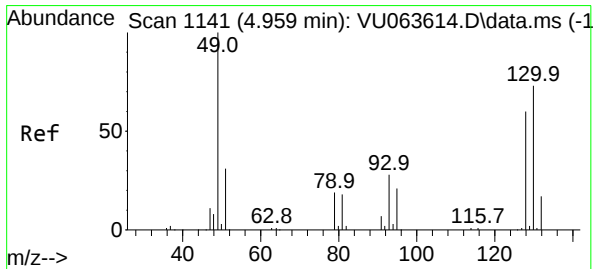
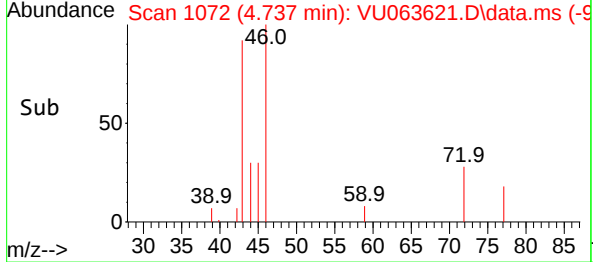
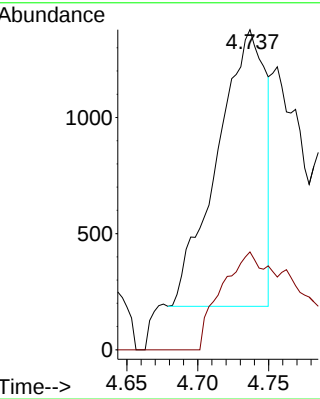
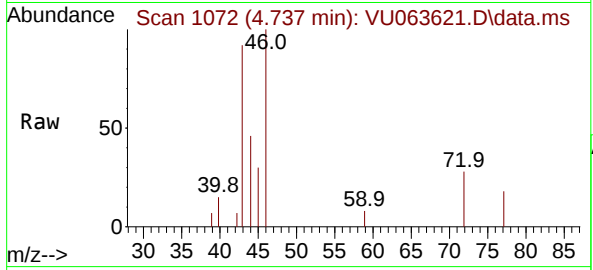




#22
2-Butanone
Concen: 1.858 ug/L
RT: 4.737 min Scan# 1058
Delta R.T. 0.045 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

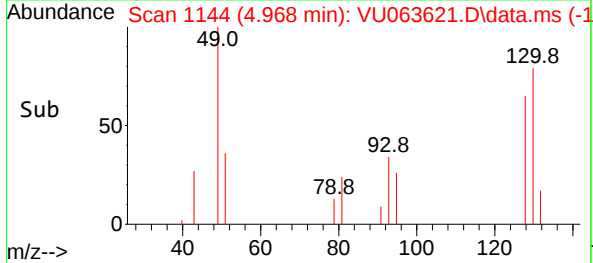
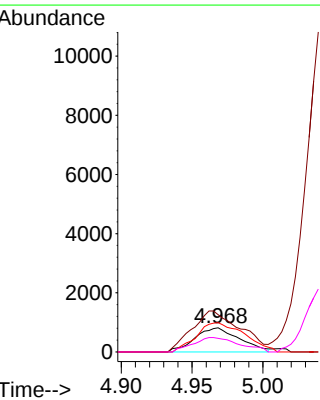
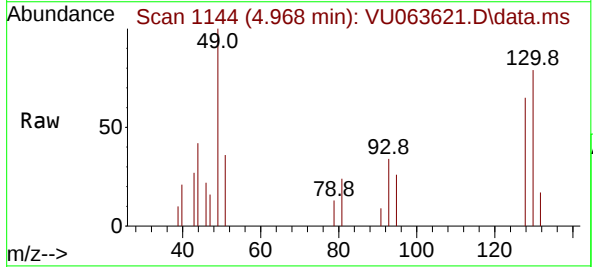
Instrument :
MSVOA_U
ClientSampleId :

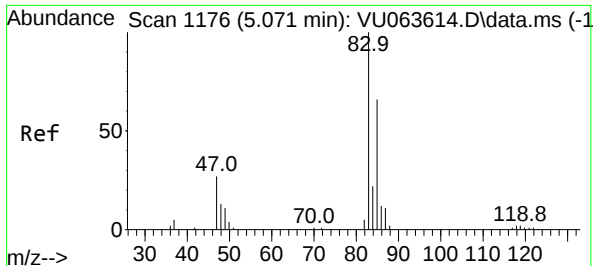
Tgt Ion: 43 Resp: 2822
Ion Ratio Lower Upper
43 100
72 29.4 12.7 38.1



#23
Bromochloromethane
Concen: 1.929 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 128 Resp: 1786
Ion Ratio Lower Upper
128 100
49 154.0 116.6 216.5
130 121.2 85.6 159.0
51 56.2 41.4 62.0





#25

Chloroform

Concen: 2.309 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.000 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

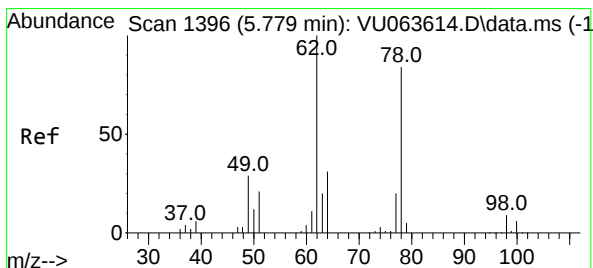
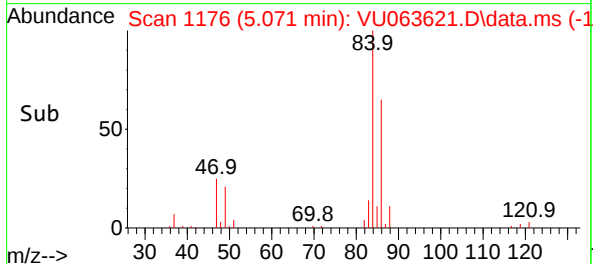
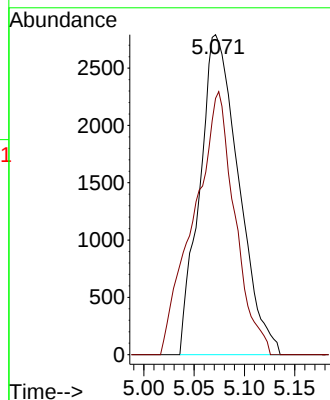
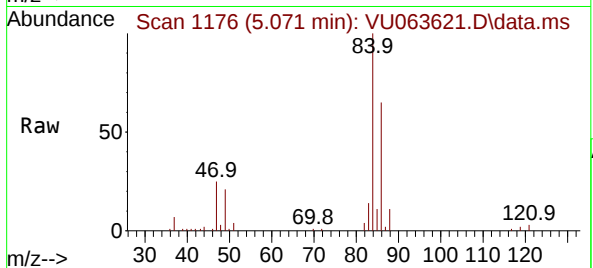
ClientSampleId :

Tgt Ion: 83 Resp: 7530

Ion Ratio Lower Upper

83 100

85 80.1 46.1 85.7



#27

1,2-Dichloroethane

Concen: 1.867 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VU063621.D

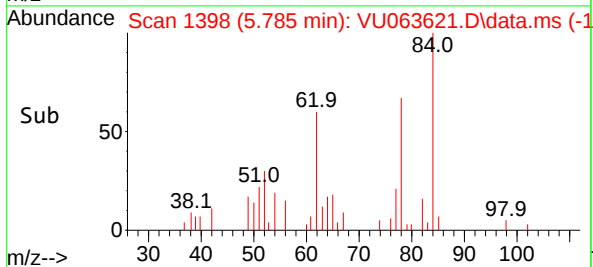
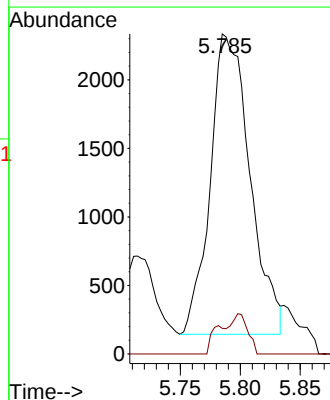
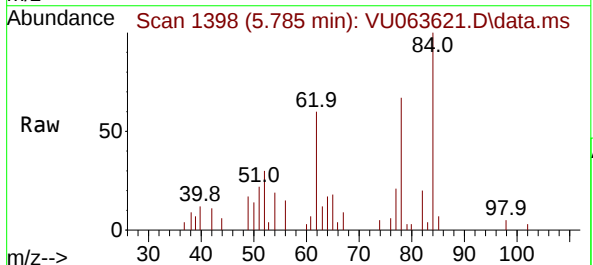
Acq: 22 Sep 2025 15:57

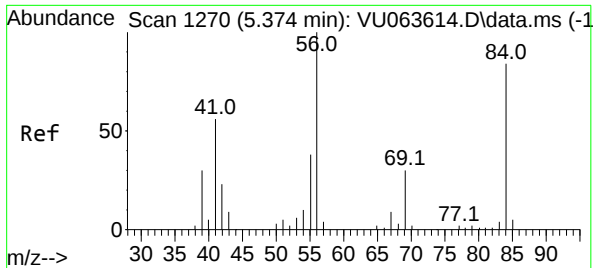
Tgt Ion: 62 Resp: 5030

Ion Ratio Lower Upper

62 100

98 8.0 7.1 10.7





#29

Cyclohexane

Concen: 2.025 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

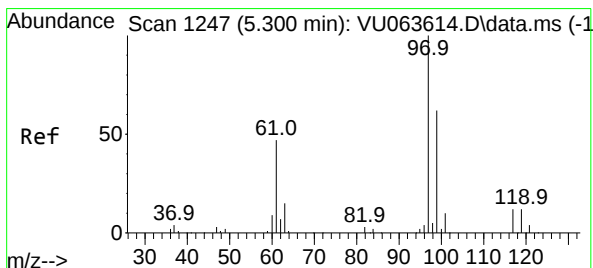
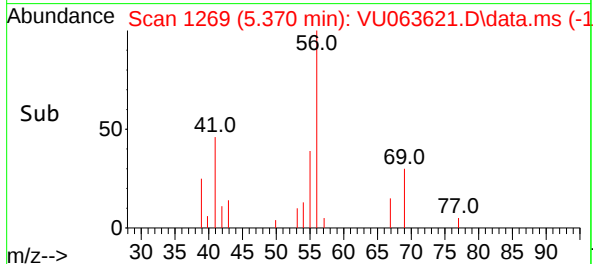
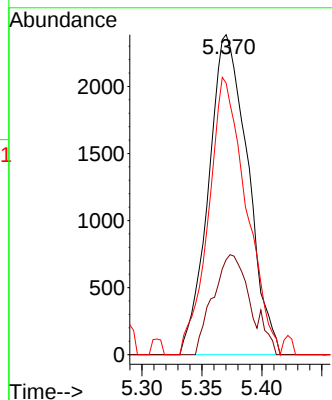
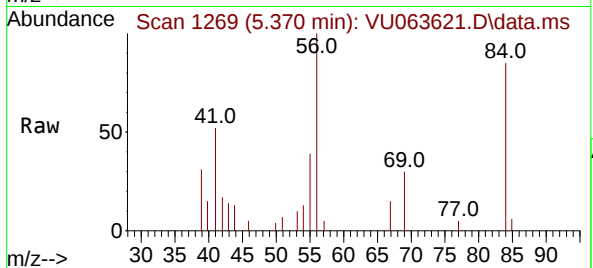
Tgt Ion: 56 Resp: 5429

Ion Ratio Lower Upper

56 100

69 27.1 24.0 36.0

84 83.3 65.7 98.5



#30

1,1,1-Trichloroethane

Concen: 1.859 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

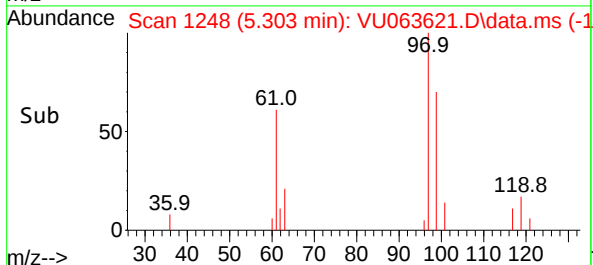
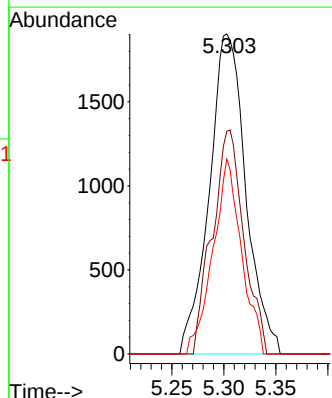
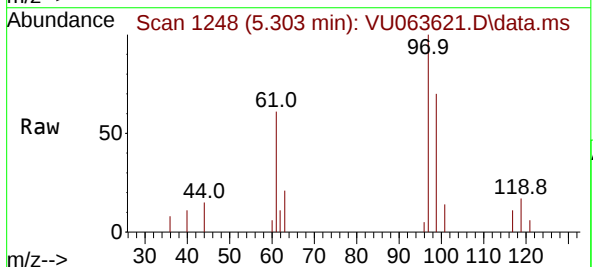
Tgt Ion: 97 Resp: 4661

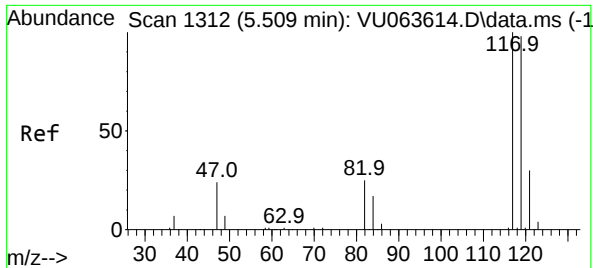
Ion Ratio Lower Upper

97 100

99 60.6 50.6 75.8

61 47.6 38.0 57.0

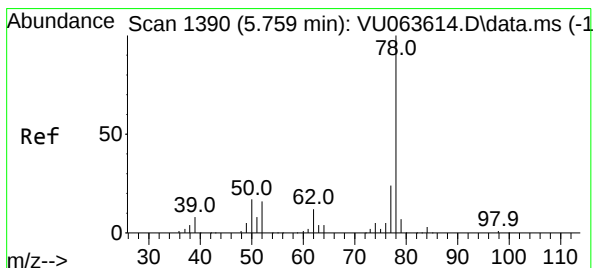
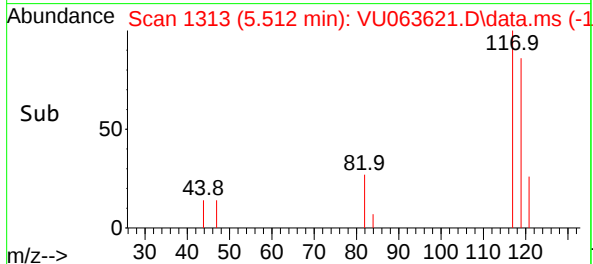
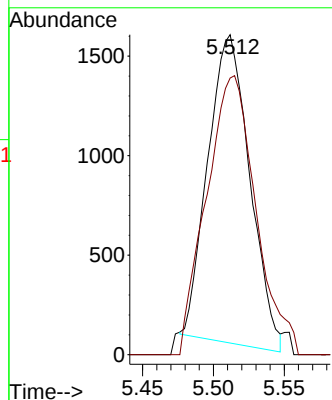
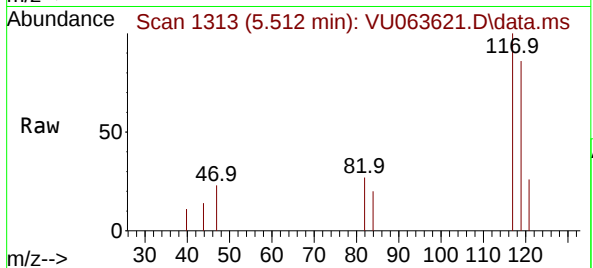




#31
Carbon tetrachloride
Concen: 1.602 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

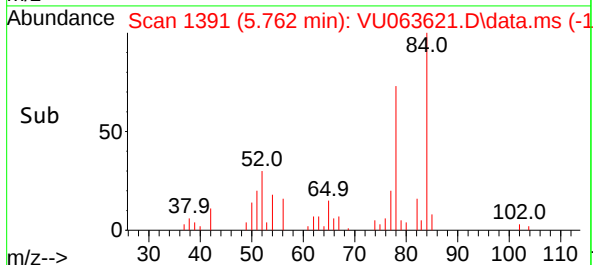
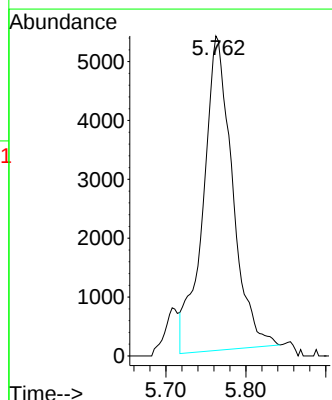
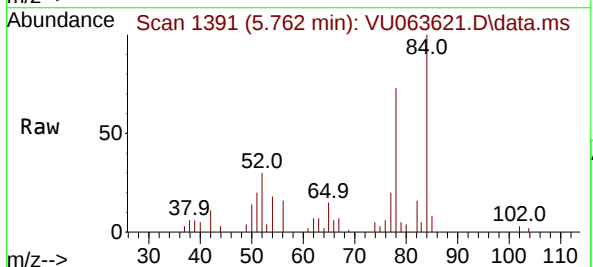
Instrument :
MSVOA_U
ClientSampleId :

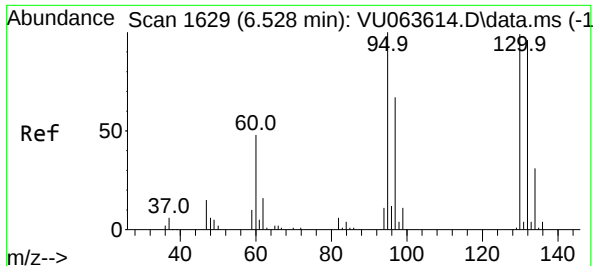
Tgt Ion:117 Resp: 3183
Ion Ratio Lower Upper
117 100
119 106.7 77.8 116.6



#33
Benzene
Concen: 2.051 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 78 Resp: 13589



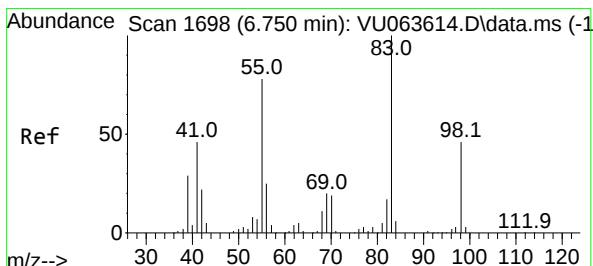
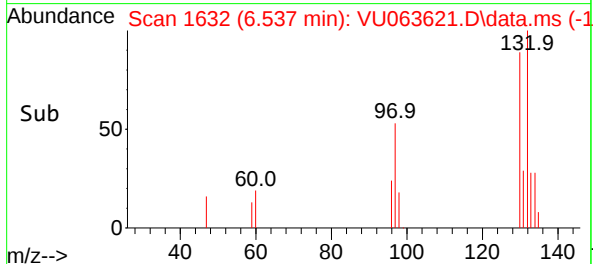
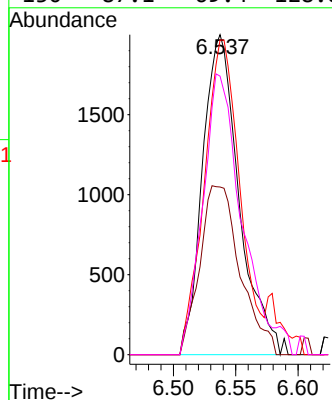
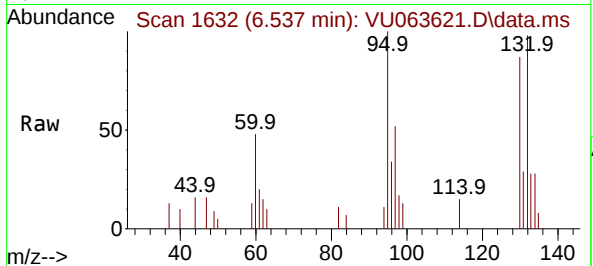


#34
Trichloroethene
Concen: 2.194 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 4070

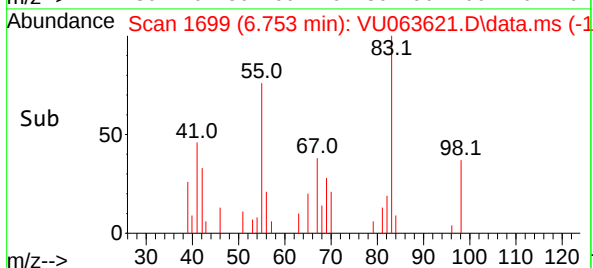
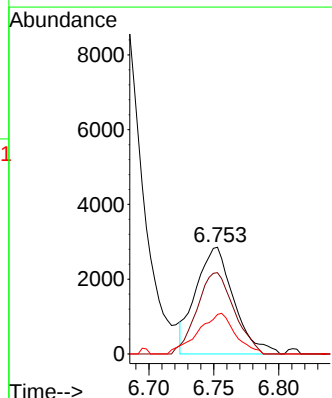
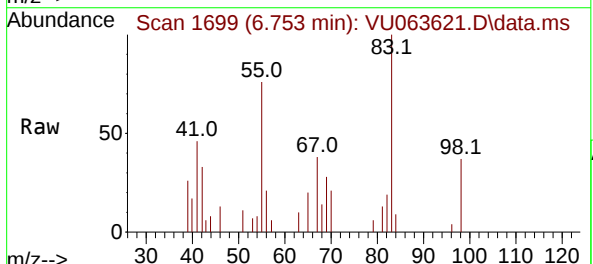
Ion	Ratio	Lower	Upper
95	100		
97	52.4	46.6	86.6
132	98.4	66.8	124.2
130	87.1	69.4	128.8

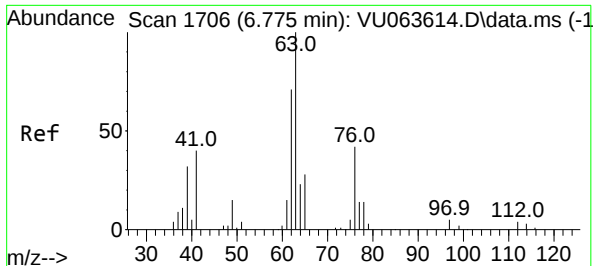


#35
Methylcyclohexane
Concen: 2.187 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 83 Resp: 5792

Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.4	95.0
98	37.1	37.3	55.9





#37

1,2-Dichloropropane

Concen: 1.774 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.009 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

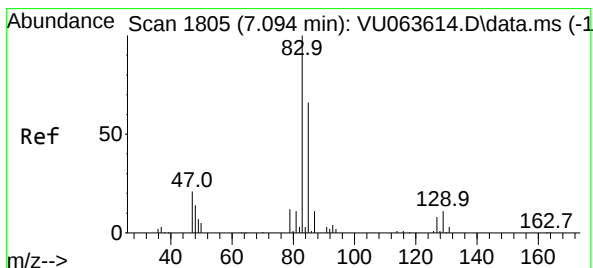
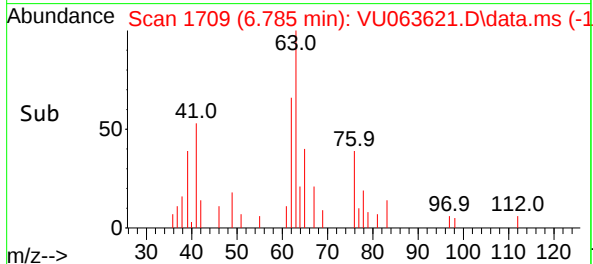
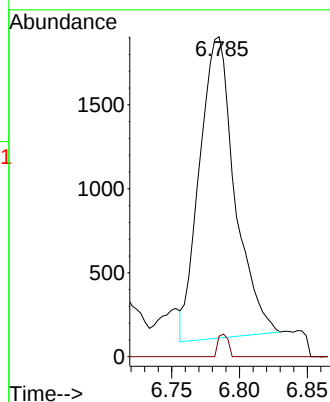
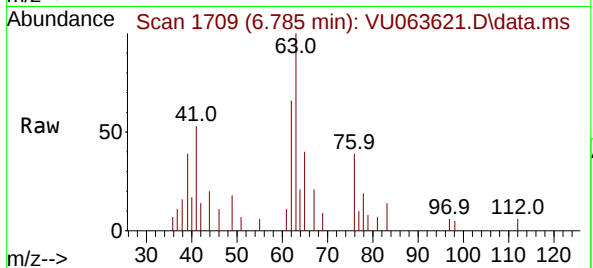
ClientSampleId :

Tgt Ion: 63 Resp: 3255

Ion Ratio Lower Upper

63 100

112 2.2 3.0 4.6#



#38

Bromodichloromethane

Concen: 1.797 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

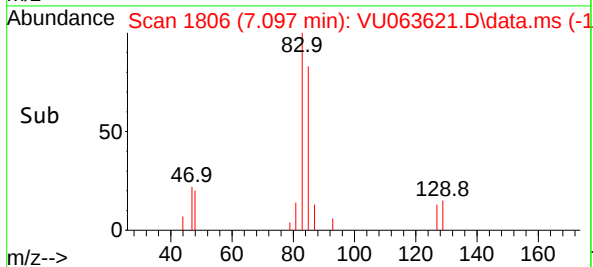
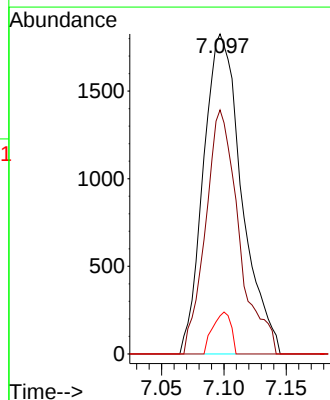
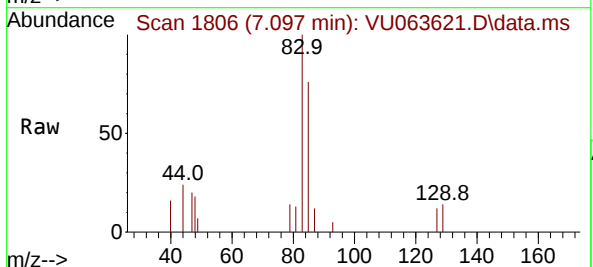
Tgt Ion: 83 Resp: 3908

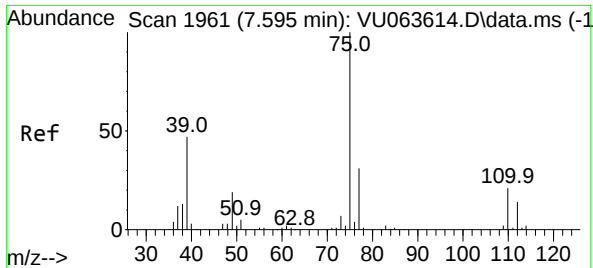
Ion Ratio Lower Upper

83 100

85 76.2 45.9 85.3

127 11.9 6.7 10.1#





#39

cis-1,3-Dichloropropene

Concen: 1.961 ug/L

RT: 7.602 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

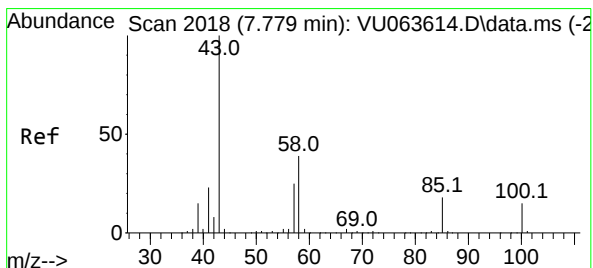
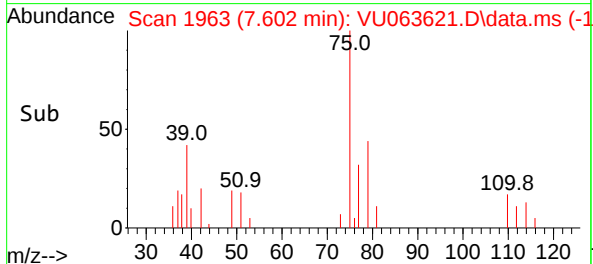
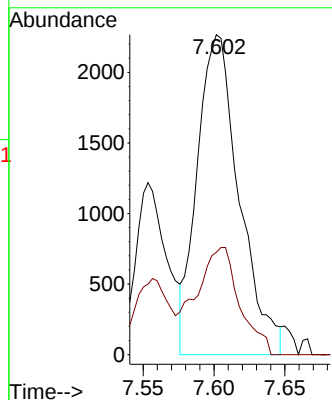
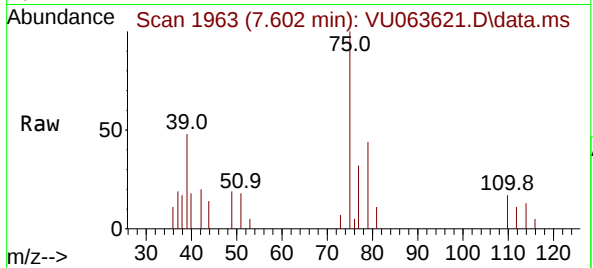
ClientSampleId :

Tgt Ion: 75 Resp: 4677

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 3.576 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.009 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

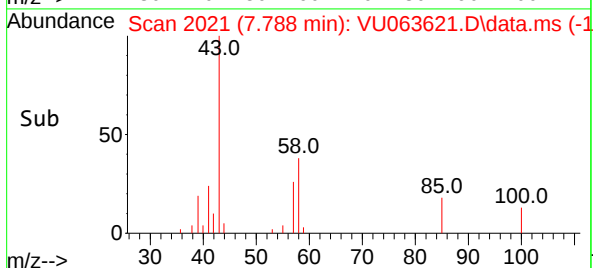
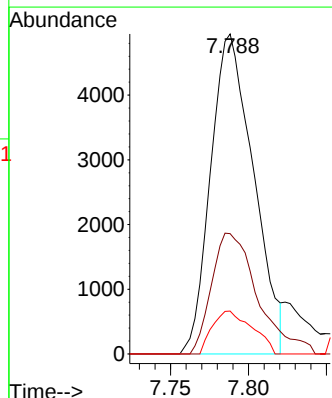
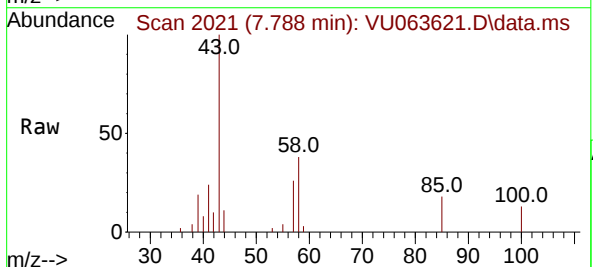
Tgt Ion: 43 Resp: 9452

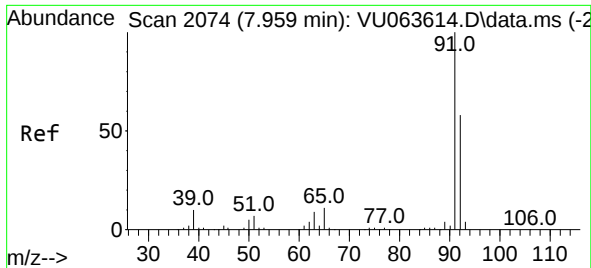
Ion Ratio Lower Upper

43 100

58 40.7 30.9 46.3

100 12.5 11.4 17.2





#42

Toluene

Concen: 2.131 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

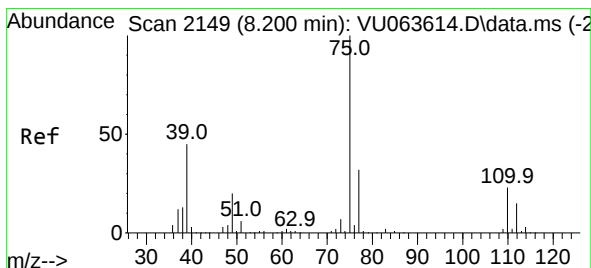
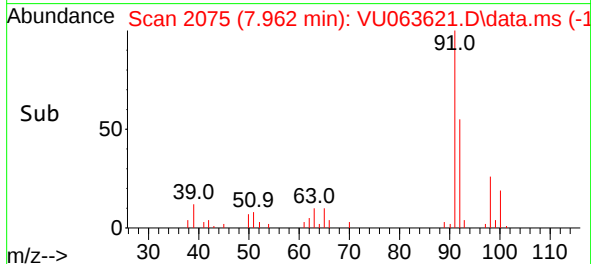
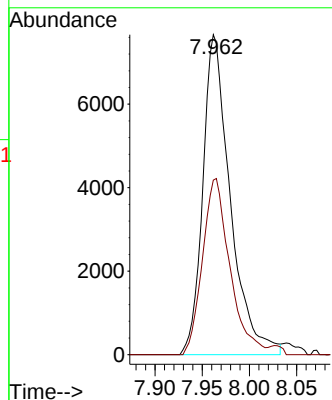
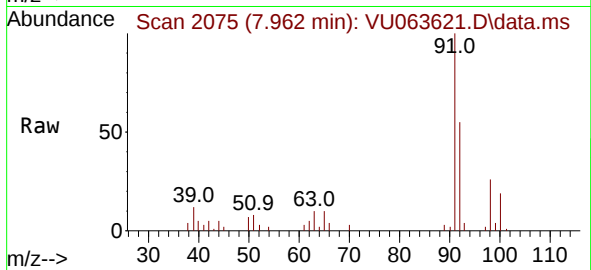
ClientSampleId :

Tgt Ion: 91 Resp: 15477

Ion Ratio Lower Upper

91 100

92 54.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 2.028 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU063621.D

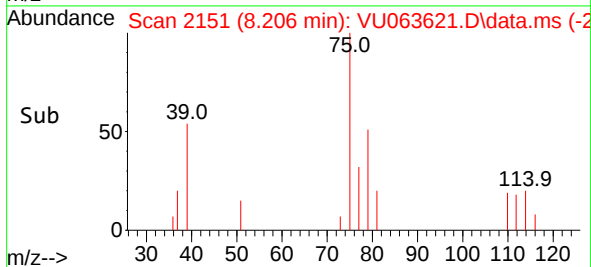
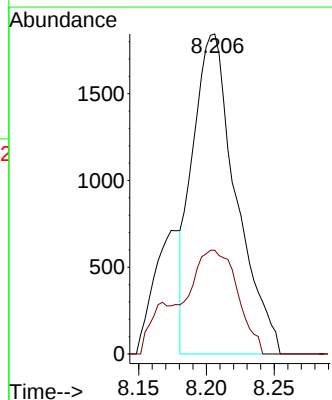
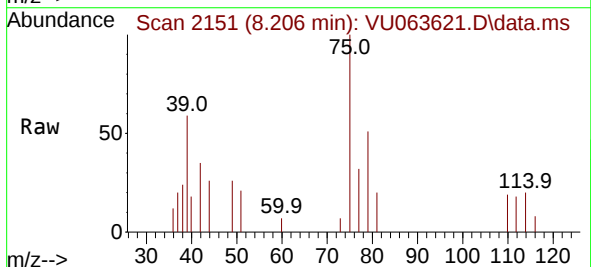
Acq: 22 Sep 2025 15:57

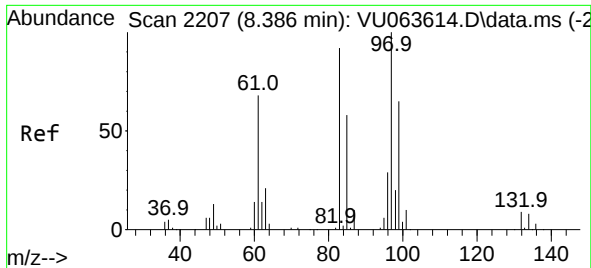
Tgt Ion: 75 Resp: 4107

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 2.314 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.006 min

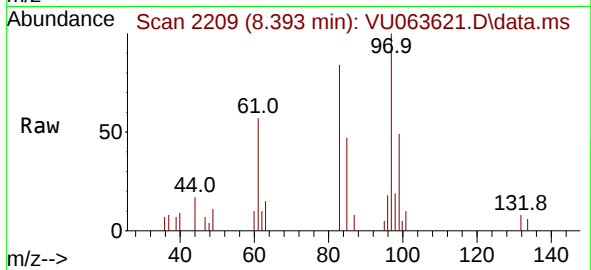
Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 4121

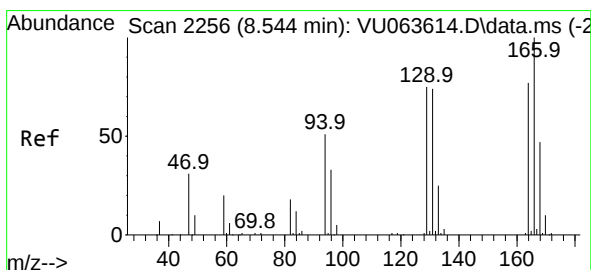
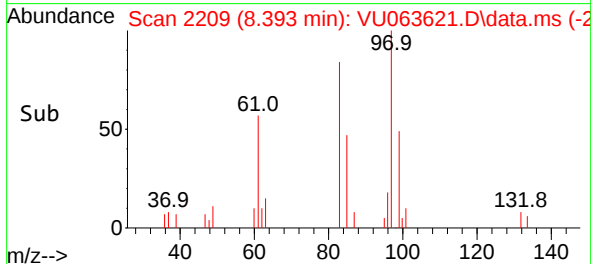
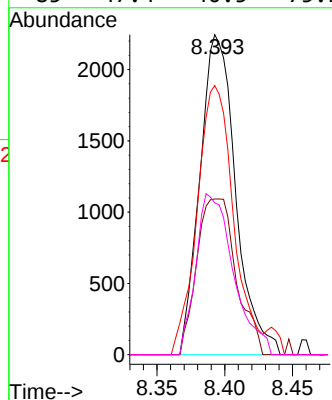
Ion Ratio Lower Upper

97 100

99 48.6 45.8 85.0

83 84.1 64.4 119.6

85 47.4 40.5 75.1



#46

Tetrachloroethene

Concen: 1.918 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Tgt Ion: 164 Resp: 2591

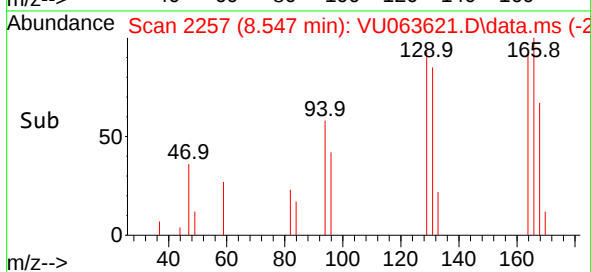
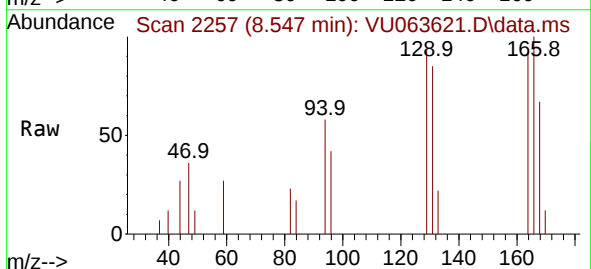
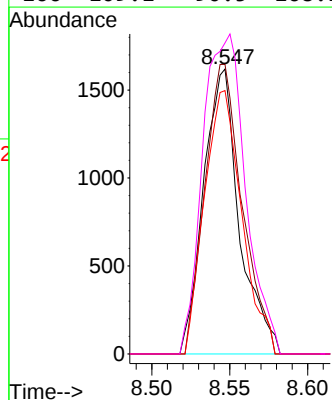
Ion Ratio Lower Upper

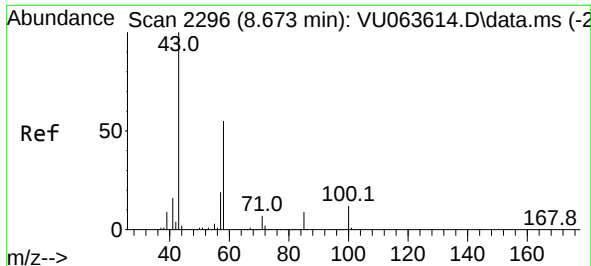
164 100

129 101.6 67.5 125.3

131 92.4 67.0 124.4

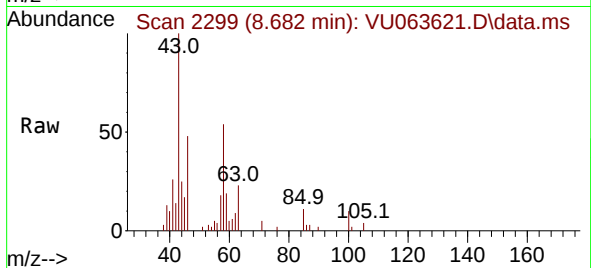
166 109.1 90.5 168.1



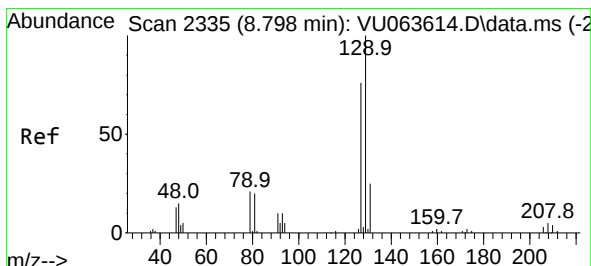
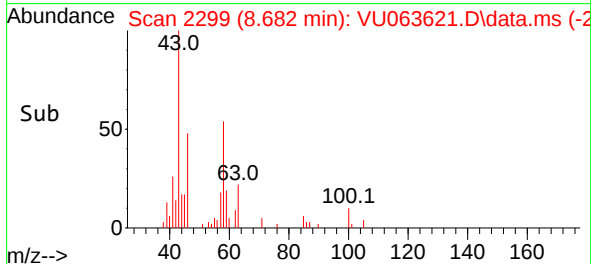
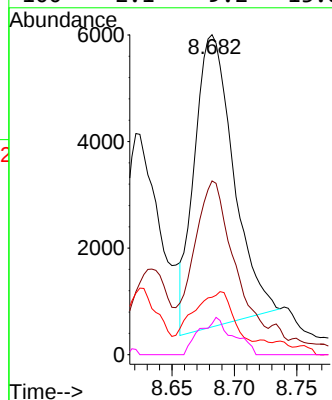


#48
2-Hexanone
Concen: 5.975 ug/L
RT: 8.682 min Scan# 2194
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Instrument :
MSVOA_U
ClientSampleId :

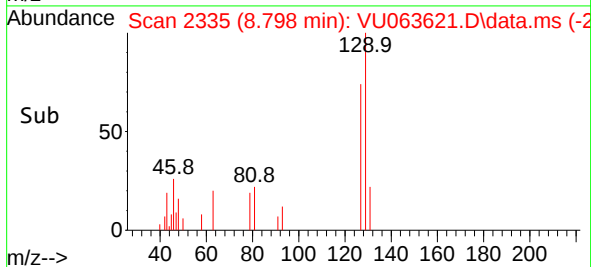
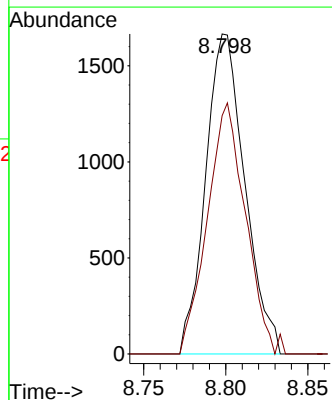
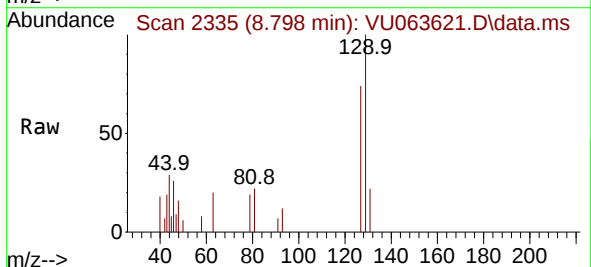


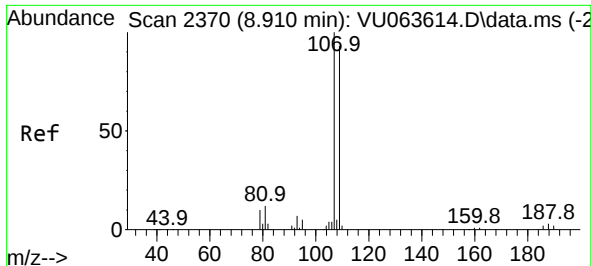
Tgt Ion: 43 Resp: 11947
Ion Ratio Lower Upper
43 100
58 61.1 41.7 62.5
57 18.5 14.7 22.1
100 2.1 9.2 13.8#



#49
Dibromochloromethane
Concen: 1.733 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion:129 Resp: 2763
Ion Ratio Lower Upper
129 100
127 74.4 53.1 98.7





#50

1,2-Dibromoethane

Concen: 2.042 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.006 min

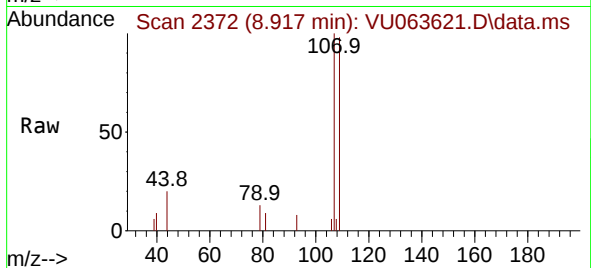
Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

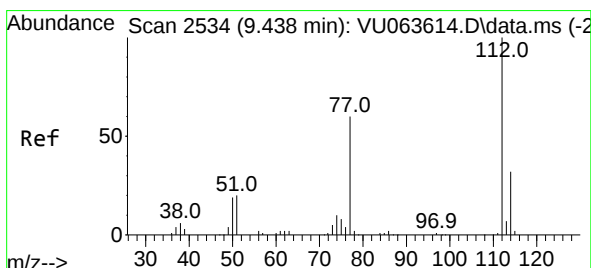
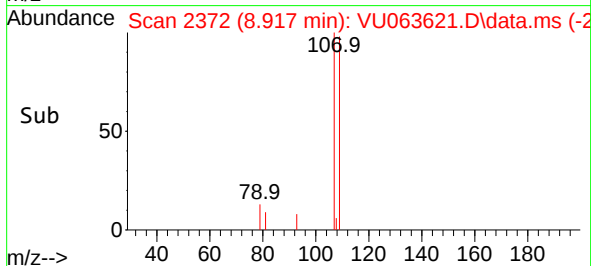
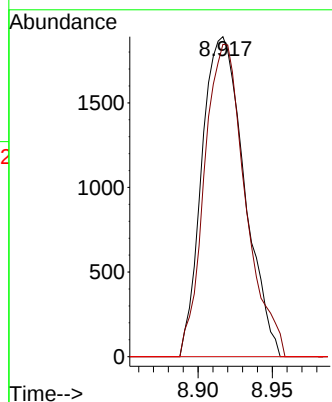
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	3765
Ion	Ratio	Lower	Upper
107	100		
109	91.7	65.0	120.6
188	0.0	2.6	4.0#



#51

Chlorobenzene

Concen: 2.123 ug/L

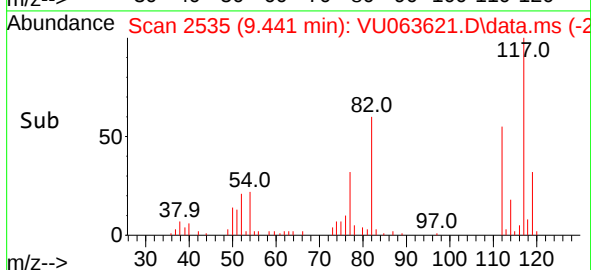
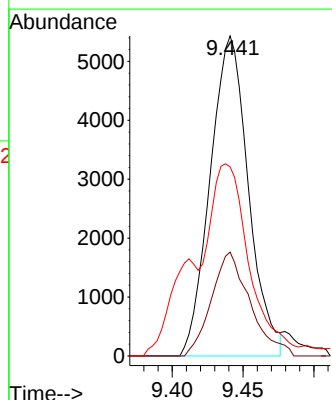
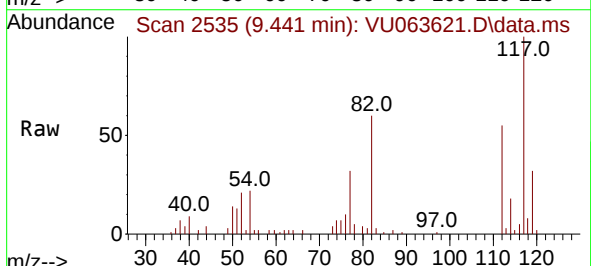
RT: 9.441 min Scan# 2535

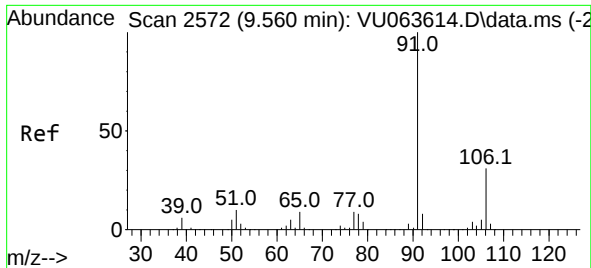
Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Tgt Ion:	112	Resp:	10204
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.4	41.6
77	59.1	48.2	72.2

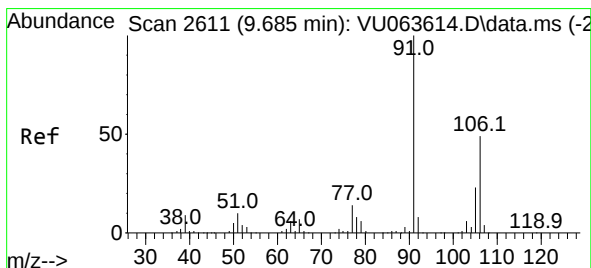
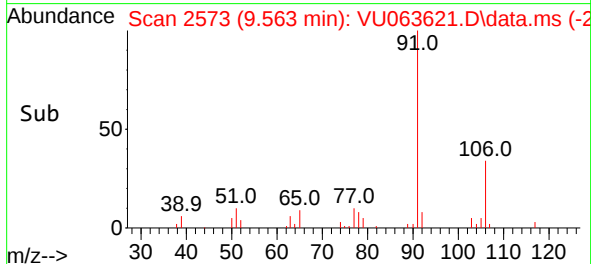
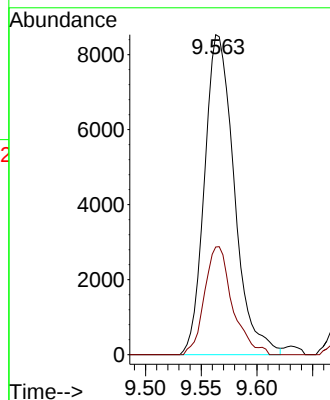
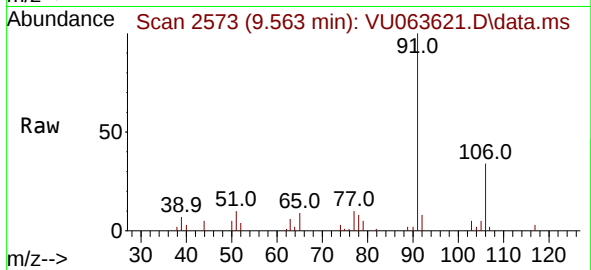




#52
Ethylbenzene
Concen: 1.973 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

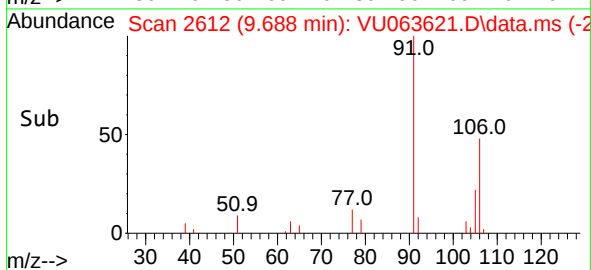
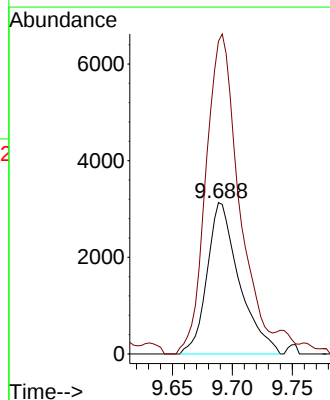
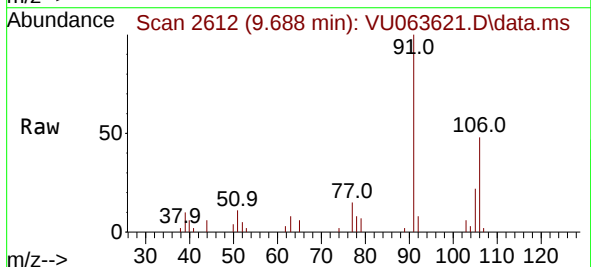
Instrument :
MSVOA_U
ClientSampleId :

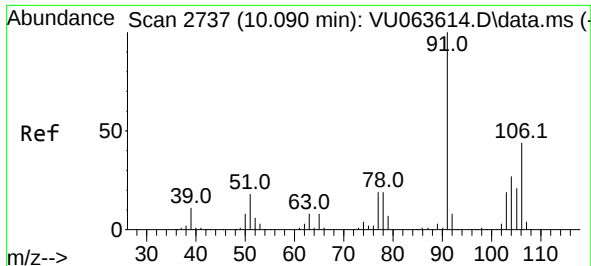
Tgt Ion: 91 Resp: 15841
Ion Ratio Lower Upper
91 100
106 35.9 21.5 39.9



#53
m,p-Xylene
Concen: 1.948 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion:106 Resp: 5837
Ion Ratio Lower Upper
106 100
91 196.6 144.1 267.7

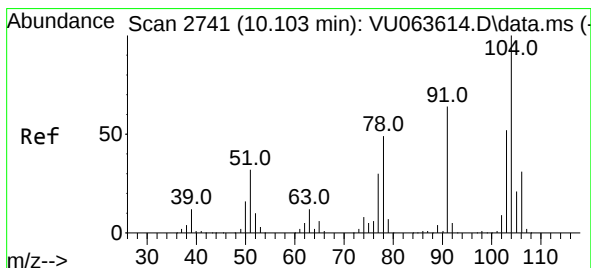
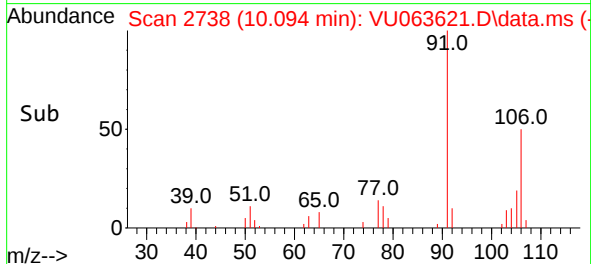
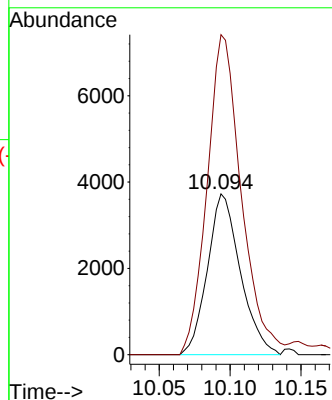
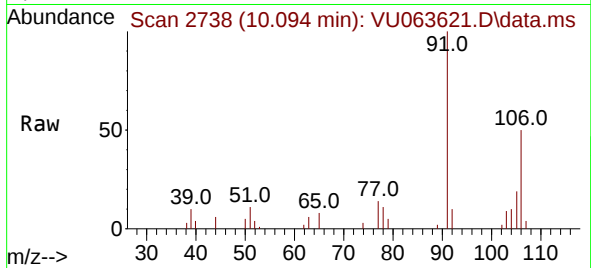




#54
o-Xylene
Concen: 2.014 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

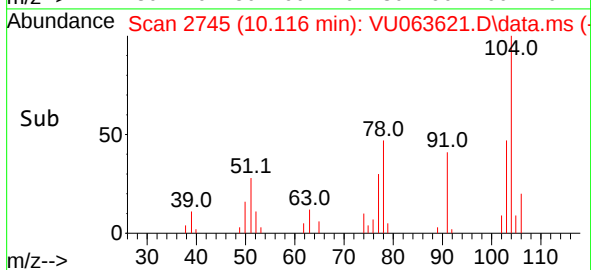
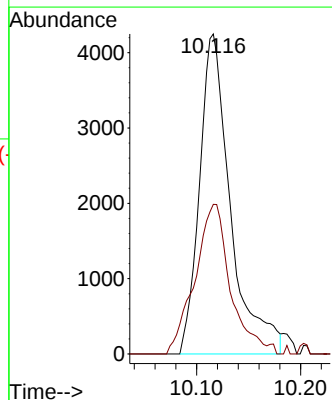
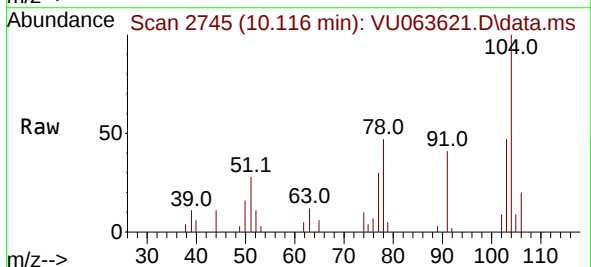
Instrument :
MSVOA_U
ClientSampleId :

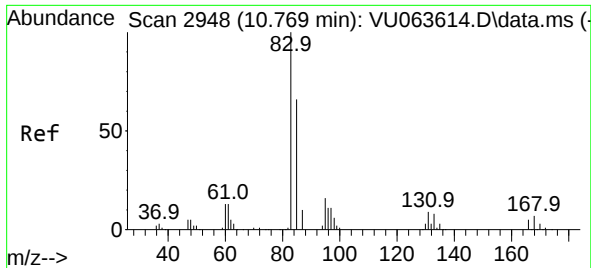
Tgt Ion:106 Resp: 6011
Ion Ratio Lower Upper
106 100
91 199.0 158.5 294.3



#55
Styrene
Concen: 1.802 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.013 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion:104 Resp: 8791
Ion Ratio Lower Upper
104 100
78 46.8 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.327 ug/L

RT: 10.772 min Scan# 2948

Delta R.T. 0.003 min

Lab File: VU063621.D

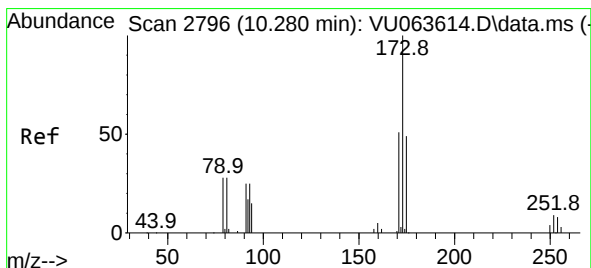
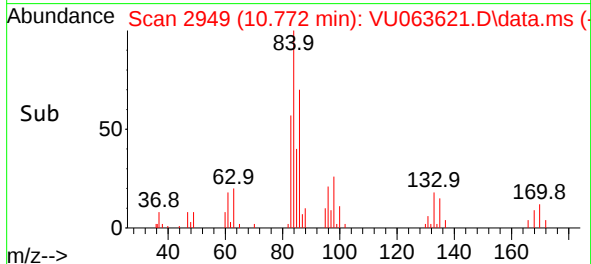
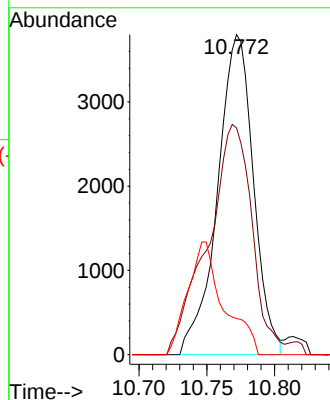
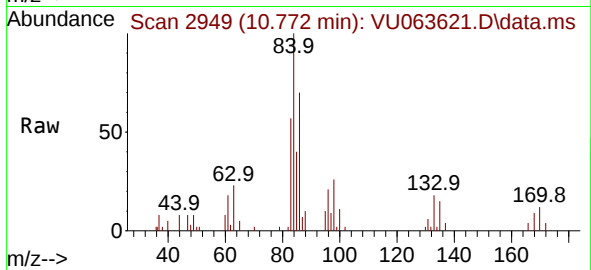
Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 7005
Ion Ratio	Lower Upper
83	100
85	70.8 46.0 85.4
131	11.3 7.4 11.2#



#59

Bromoform

Concen: 1.662 ug/L

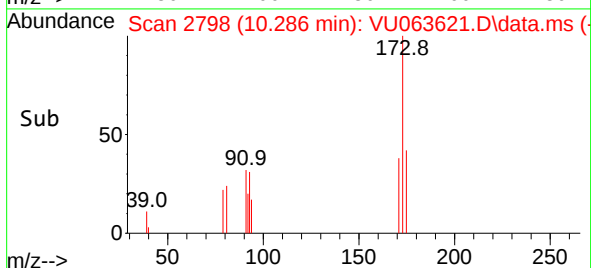
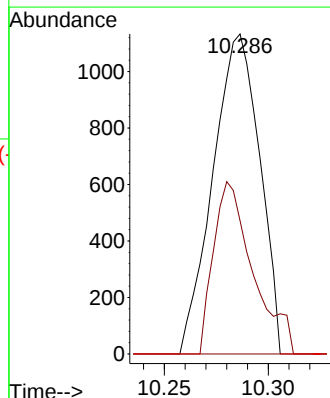
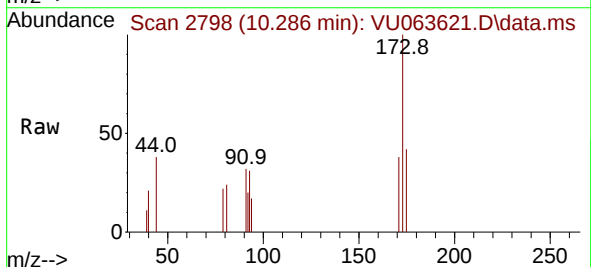
RT: 10.286 min Scan# 2798

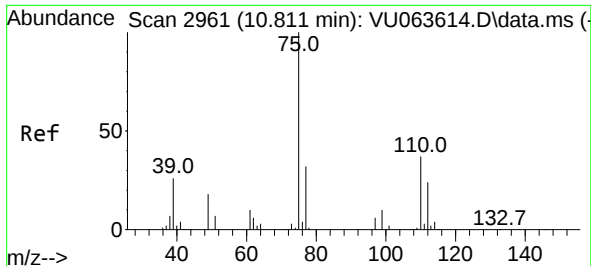
Delta R.T. 0.006 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Tgt Ion: 173	Resp: 1770
Ion Ratio	Lower Upper
173	100
175	42.5 39.3 58.9
254	0.0 6.2 9.4#

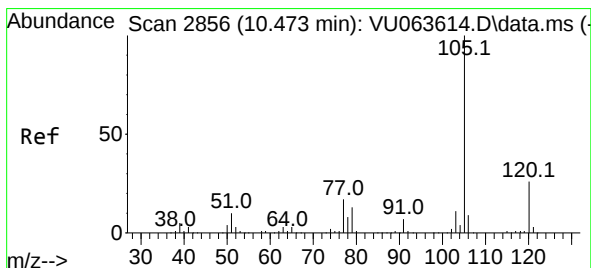
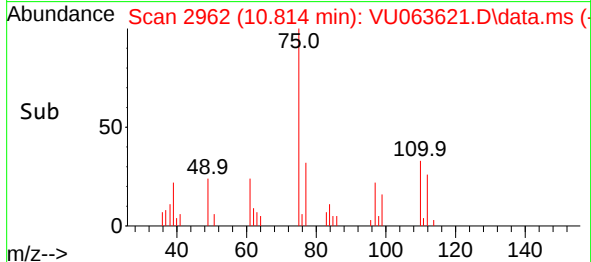
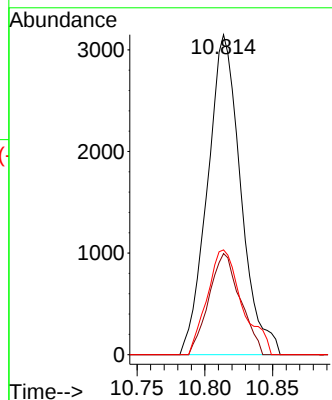
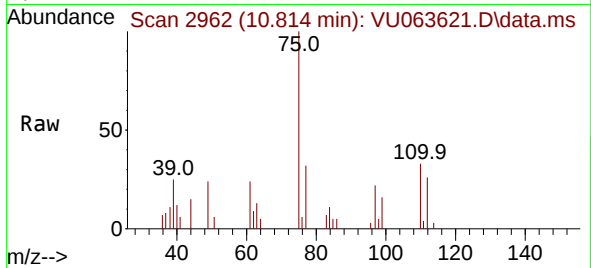




#60
1,2,3-Trichloropropane
Concen: 2.325 ug/L
RT: 10.814 min Scan# 2961
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

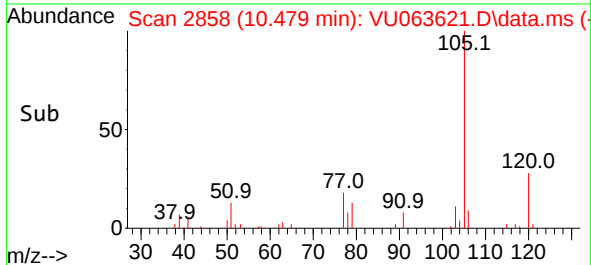
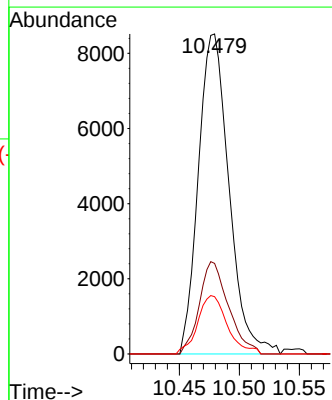
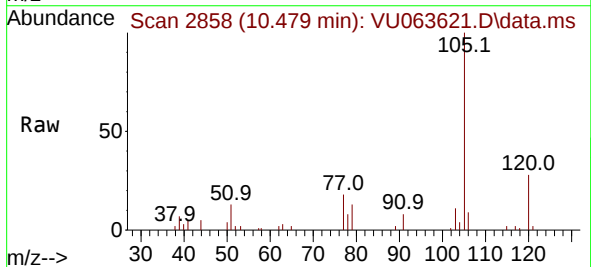
Instrument :
MSVOA_U
ClientSampleId :

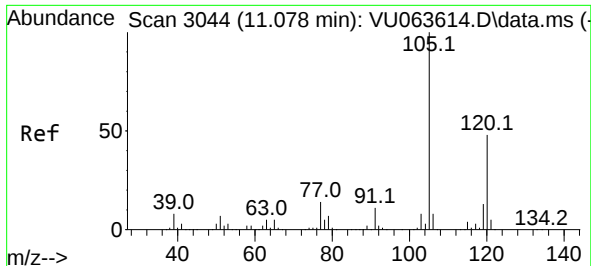
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.7	38.5
110	34.4	29.2	43.8



#61
Isopropylbenzene
Concen: 2.025 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.006 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.2	31.8
77	17.2	13.4	20.0

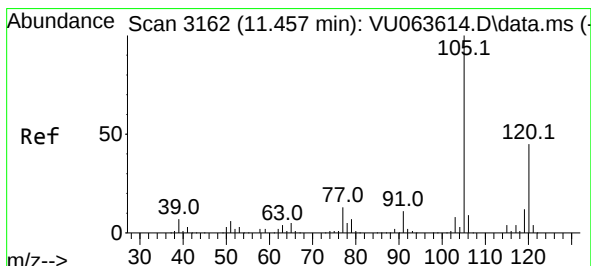
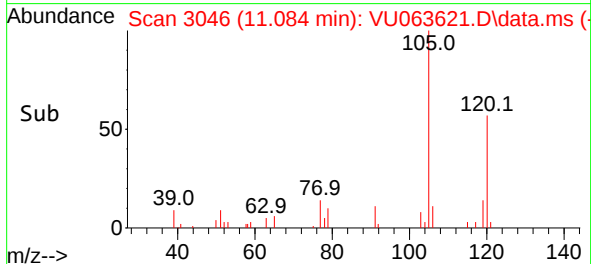
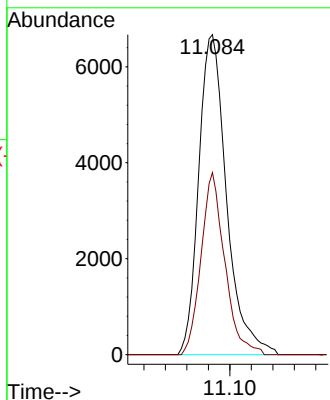
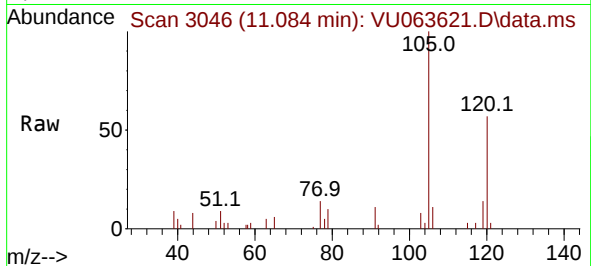




#62
 1,3,5-Trimethylbenzene
 Concen: 1.954 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.006 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

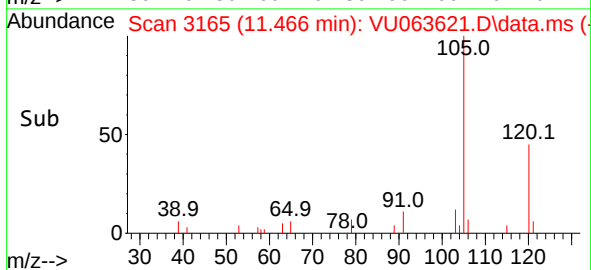
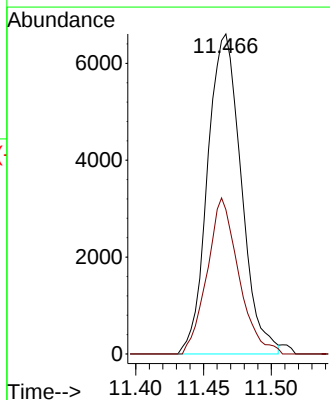
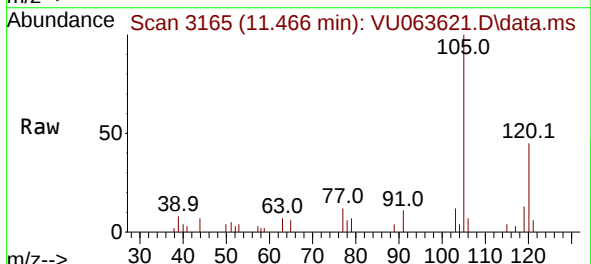
Instrument :
 MSVOA_U
 ClientSampleId :

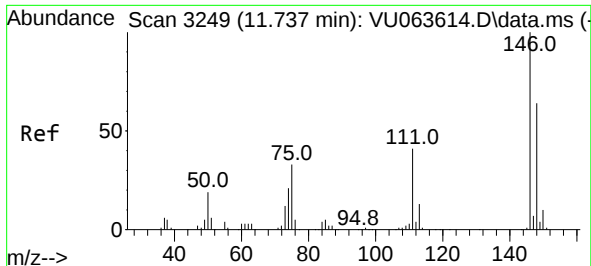
Tgt Ion:105 Resp: 11992
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 1.917 ug/L
 RT: 11.466 min Scan# 3165
 Delta R.T. 0.009 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

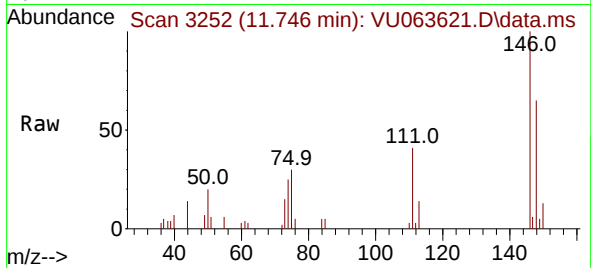
Tgt Ion:105 Resp: 11404
 Ion Ratio Lower Upper
 105 100
 120 45.8 35.6 53.4



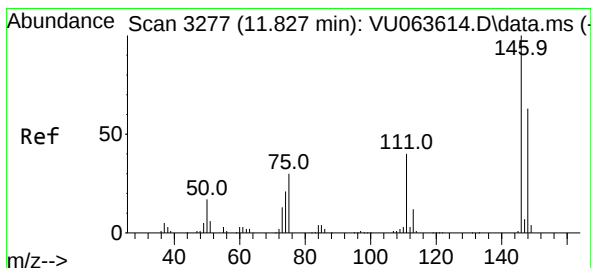
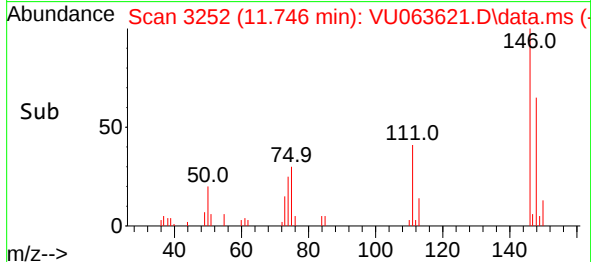
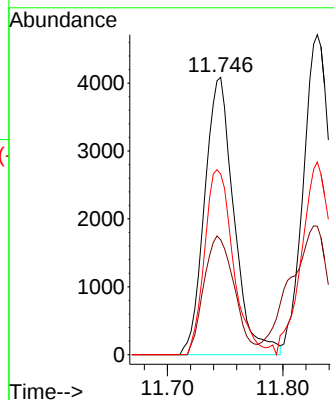


#64
1,3-Dichlorobenzene
Concen: 2.123 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Instrument :
MSVOA_U
ClientSampleId :

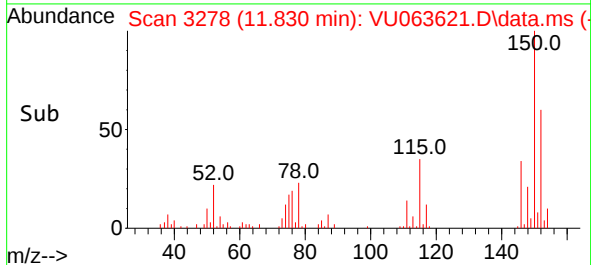
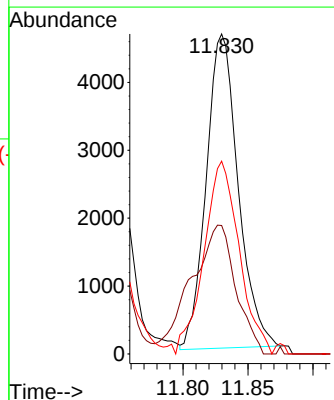
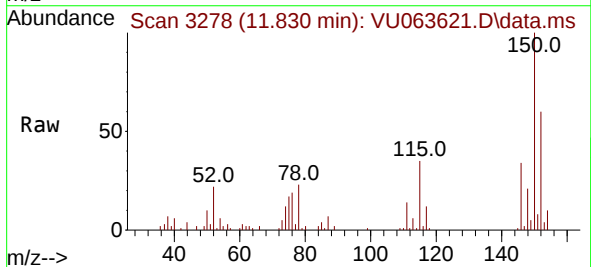


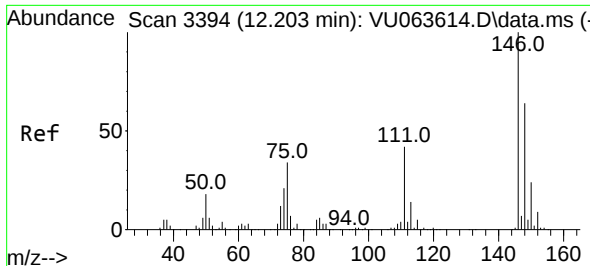
Tgt Ion:146 Resp: 7218
Ion Ratio Lower Upper
146 100
111 38.9 28.6 53.0
148 61.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 2.301 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion:146 Resp: 7916
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.9
148 60.3 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 2.336 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

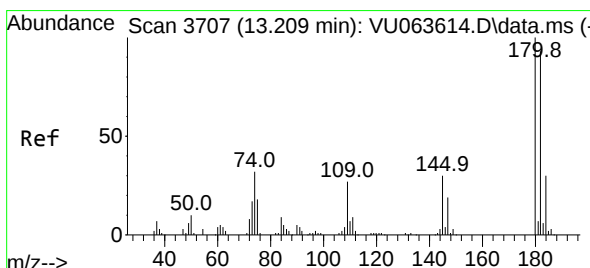
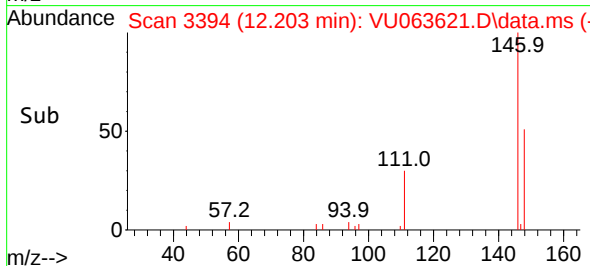
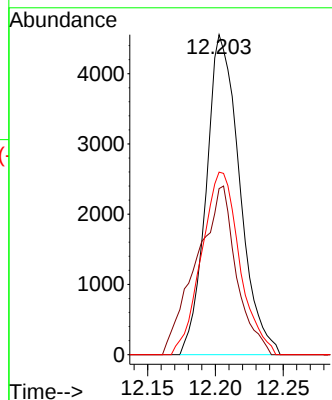
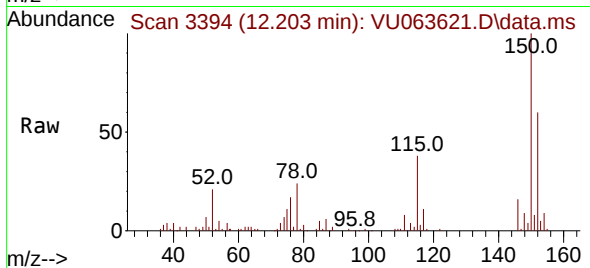
Tgt Ion:146 Resp: 7810

Ion Ratio Lower Upper

146 100

111 54.6 33.6 50.4#

148 57.0 50.9 76.3



#69

1,3,5-Trichlorobenzene

Concen: 2.063 ug/L

RT: 13.222 min Scan# 3711

Delta R.T. 0.013 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Tgt Ion:180 Resp: 4905

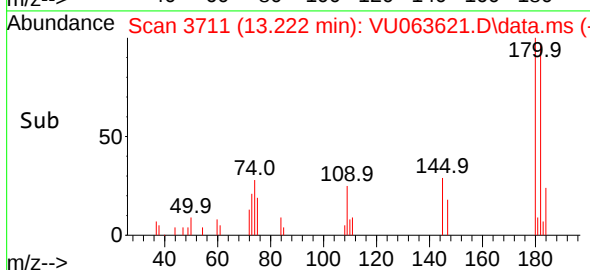
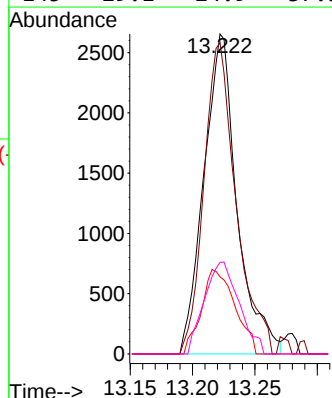
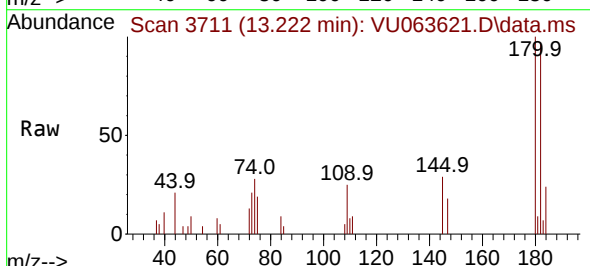
Ion Ratio Lower Upper

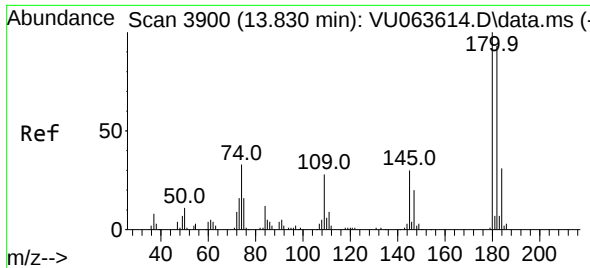
180 100

182 94.0 75.9 113.9

184 26.7 24.4 36.6

145 29.1 24.9 37.3

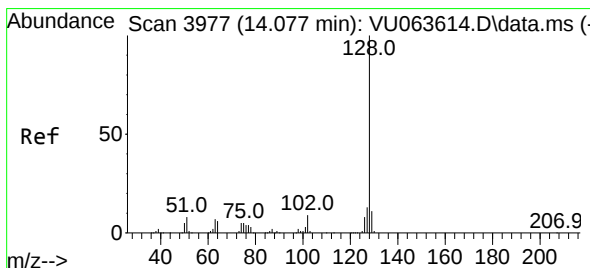
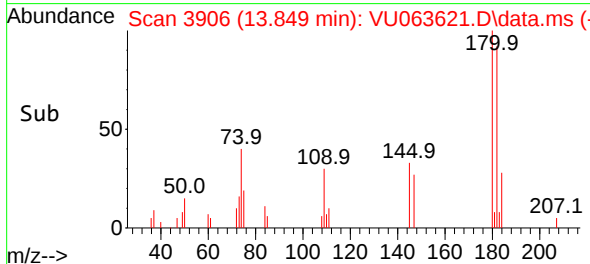
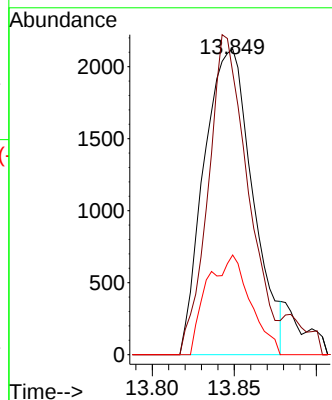
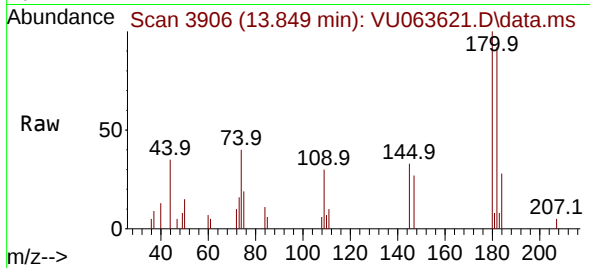




#70
1,2,4-trichlorobenzene
Concen: 2.226 ug/L
RT: 13.849 min Scan# 3906
Delta R.T. 0.019 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

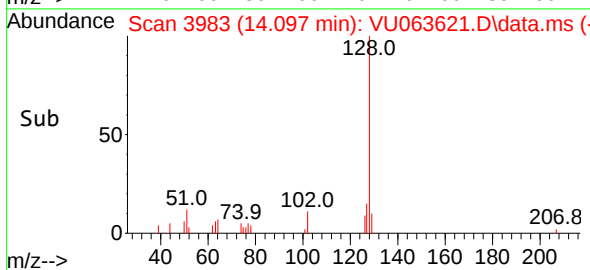
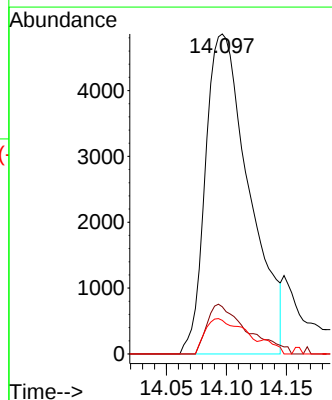
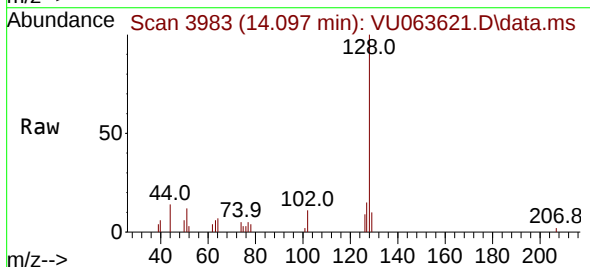
Instrument :
MSVOA_U
ClientSampleId :

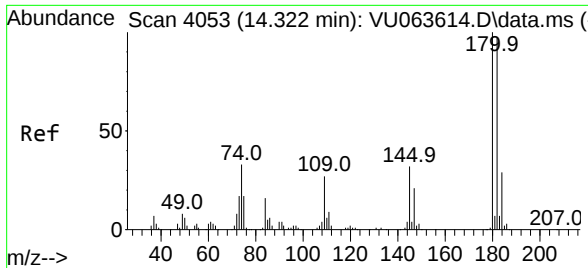
Tgt Ion:180 Resp: 4368
Ion Ratio Lower Upper
180 100
182 85.9 75.4 113.0
145 16.7 24.6 37.0#



#71
Naphthalene
Concen: 2.313 ug/L
RT: 14.097 min Scan# 3983
Delta R.T. 0.019 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

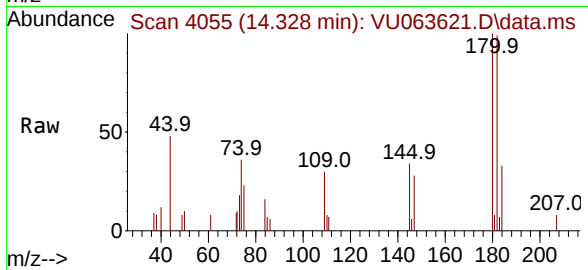
Tgt Ion:128 Resp: 12335
Ion Ratio Lower Upper
128 100
127 11.1 10.2 15.4
129 9.6 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 2.212 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.006 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	4162
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.4	116.2
145	30.4	25.9	38.9

