

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063612.D
 Acq On : 22 Sep 2025 10:09
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 23 05:12:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:11:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	241783	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	235024	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109055	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	8093	4.537	ug/L	0.00
7) Chloroethane-d5	1.895	69	6601	3.874	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	14635	4.341	ug/L	0.00
21) 2-Butanone-d5	4.660	46	5749	3.852	ug/L	0.05
24) Chloroform-d	5.052	84	13747	3.695	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	9314	4.058	ug/L	0.00
32) Benzene-d6	5.718	84	25256	3.715	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	8294	3.613	ug/L	0.00
41) Toluene-d8	7.891	98	24208	4.034	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	2757	3.065	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	5594	6.613	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.746	84	13161	3.729	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	9197	4.691	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	7169	3.350	ug/L	96
3) Chloromethane	1.515	50	9505	3.858	ug/L	93
5) Vinyl chloride	1.595	62	11425	4.203	ug/L	99
6) Bromomethane	1.833	94	6809	4.369	ug/L	98
8) Chloroethane	1.917	64	7902	4.565	ug/L	98
9) Trichlorofluoromethane	2.123	101	16242	4.878	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	9040	4.594	ug/L	98
12) 1,1-Dichloroethene	2.563	96	8047	4.643	ug/L	93
13) Acetone	2.618	43	17050	14.499	ug/L	100
14) Carbon disulfide	2.776	76	20406	3.690	ug/L	98
15) Methyl Acetate	2.946	43	11006	4.590	ug/L	100
16) Methylene chloride	3.030	84	10786	4.806	ug/L	98
17) trans-1,2-Dichloroethene	3.341	96	8329	4.476	ug/L	89
18) Methyl tert-butyl Ether	3.351	73	27177	4.805	ug/L	99
19) 1,1-Dichloroethane	3.853	63	16829	4.320	ug/L	96
20) cis-1,2-Dichloroethene	4.653	96	9636	4.538	ug/L	90
22) 2-Butanone	4.714	43	11887	6.944	ug/L #	68
23) Bromochloromethane	4.962	128	5144	4.519	ug/L	97
25) Chloroform	5.078	83	18244	4.636	ug/L	98
27) 1,2-Dichloroethane	5.785	62	15352	4.943	ug/L	99
29) Cyclohexane	5.370	56	14664	4.798	ug/L	95
30) 1,1,1-Trichloroethane	5.303	97	13761	4.701	ug/L	98
31) Carbon tetrachloride	5.512	117	10300	4.258	ug/L	99
33) Benzene	5.766	78	36722	4.634	ug/L	100
34) Trichloroethene	6.534	95	11079	5.399	ug/L	94
35) Methylcyclohexane	6.750	83	14745	4.845	ug/L	97
37) 1,2-Dichloropropane	6.779	63	10399	4.475	ug/L #	97
38) Bromodichloromethane	7.097	83	11899	4.314	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	12436	3.989	ug/L	95
40) 4-Methyl-2-pentanone	7.782	43	28586	9.709	ug/L	96
42) Toluene	7.962	91	40401	4.872	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	10321	3.599	ug/L	100

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Instrument :
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 ClientSampleId :

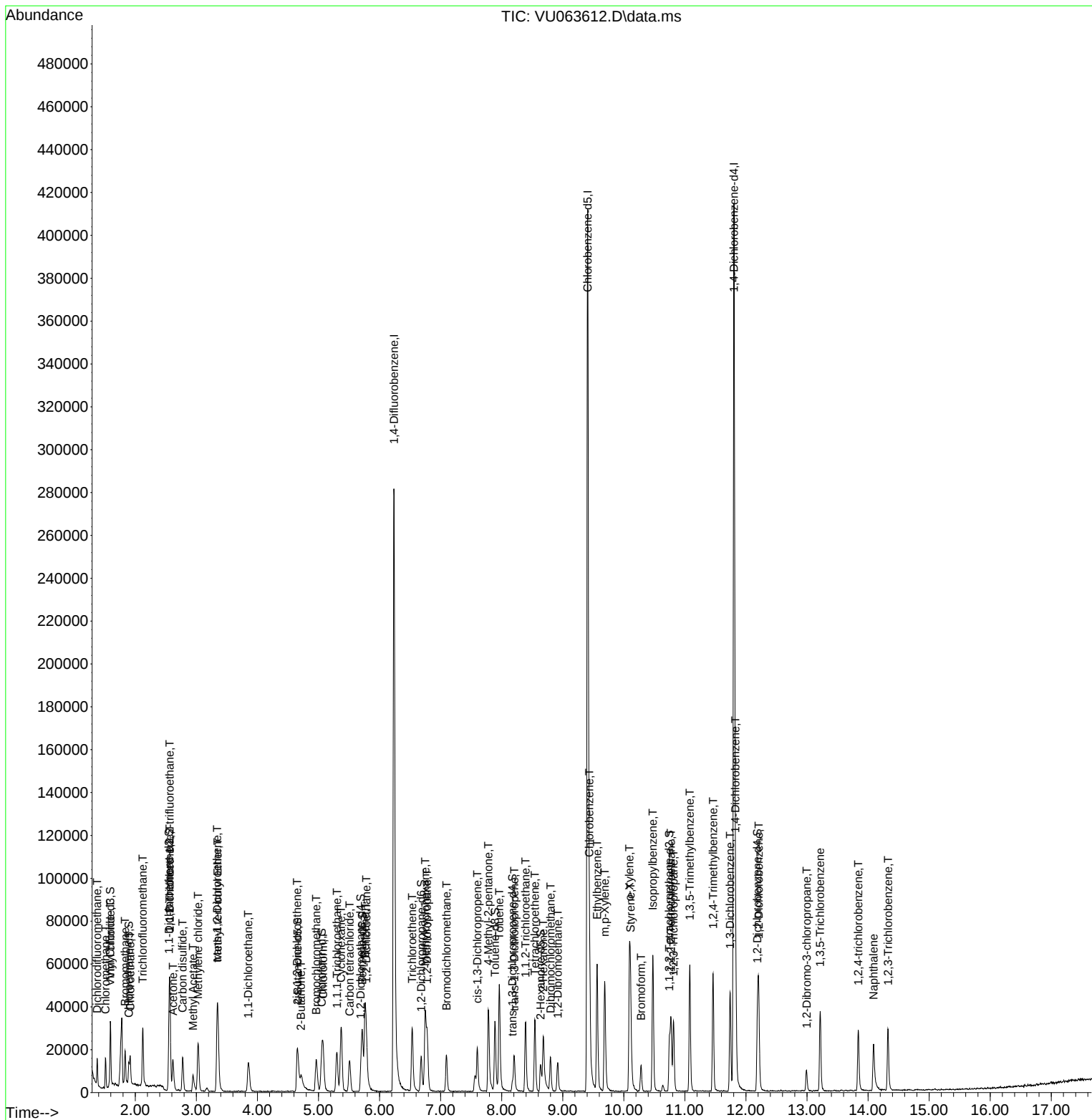
Quant Time: Sep 23 05:12:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:11:23 2025
 Response via : Initial Calibration

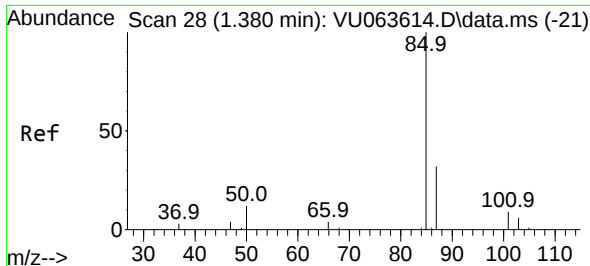
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	10239	4.741	ug/L	97
46) Tetrachloroethene	8.544	164	7506	4.914	ug/L	96
48) 2-Hexanone	8.682	43	19768	8.744	ug/L #	98
49) Dibromochloromethane	8.801	129	7763	3.838	ug/L	84
50) 1,2-Dibromoethane	8.920	107	10197	4.619	ug/L #	100
51) Chlorobenzene	9.438	112	27009	4.959	ug/L	95
52) Ethylbenzene	9.563	91	43580	4.932	ug/L	99
53) m,p-Xylene	9.688	106	15447	4.768	ug/L	95
54) o-Xylene	10.094	106	15894	5.077	ug/L	93
55) Styrene	10.113	104	23998	4.537	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	16681	4.373	ug/L #	96
59) Bromoform	10.283	173	5499	3.973	ug/L #	96
60) 1,2,3-Trichloropropane	10.814	75	14056	5.477	ug/L	98
61) Isopropylbenzene	10.476	105	42772	5.926	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	33229	5.849	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	31870	5.906	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	19023	5.375	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	19280	5.315	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	18929	5.293	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	2548	3.747	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	12705	5.254	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	9539	5.055	ug/L	99
71) Naphthalene	14.090	128	21181	4.161	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	9572	5.214	ug/L	98

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

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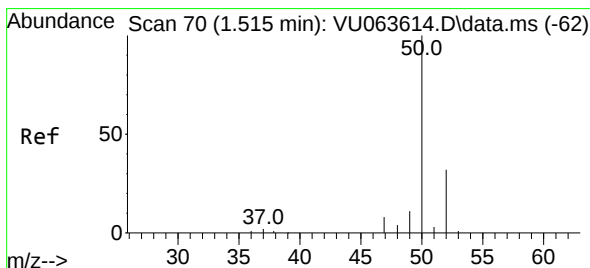
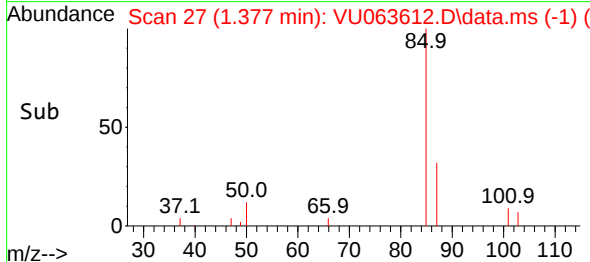
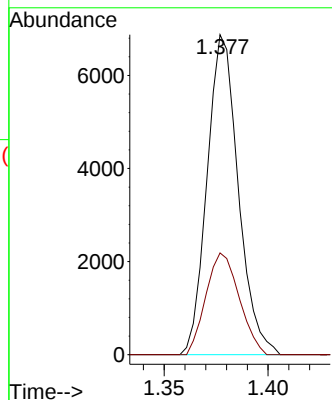
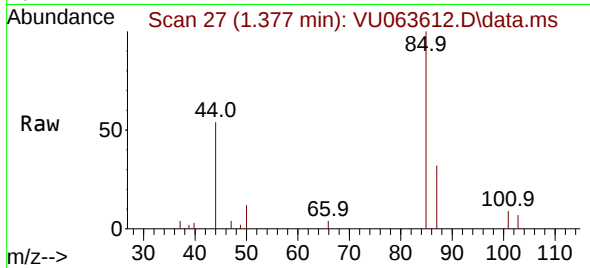




#2
Dichlorodifluoromethane
Concen: 3.350 ug/L
RT: 1.377 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

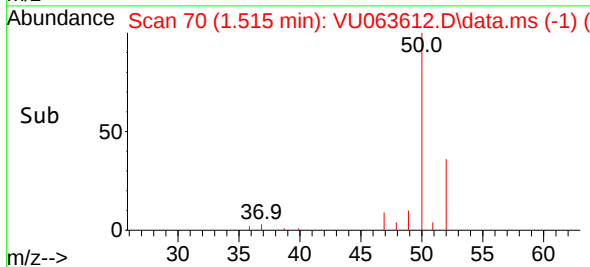
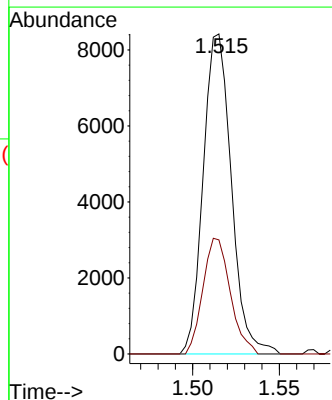
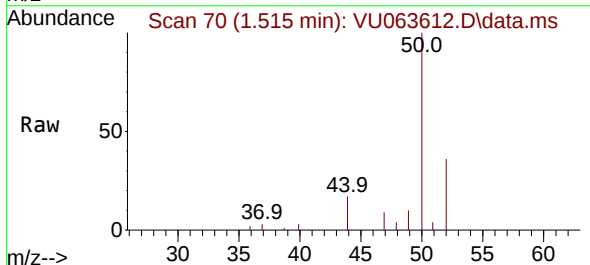
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MSVOA_U
ClientSampleId :

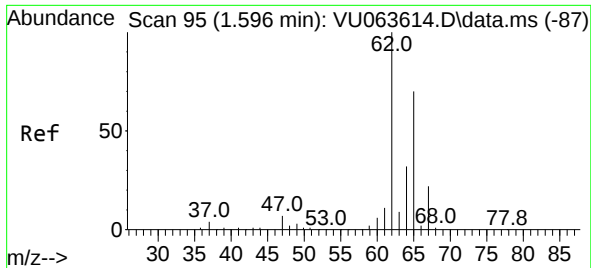
Tgt Ion: 85 Resp: 7169
Ion Ratio Lower Upper
85 100
87 33.9 25.5 38.3



#3
Chloromethane
Concen: 3.858 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion: 50 Resp: 9505
Ion Ratio Lower Upper
50 100
52 35.6 22.2 41.2

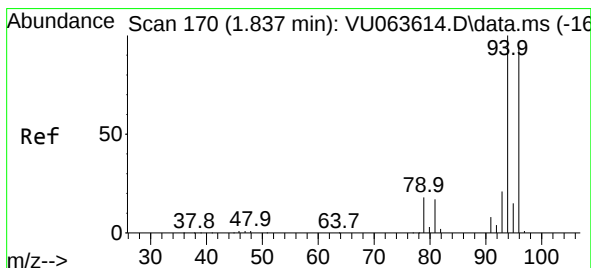
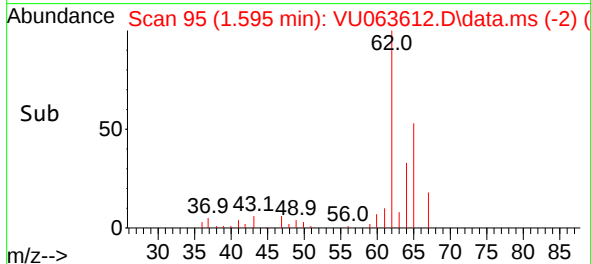
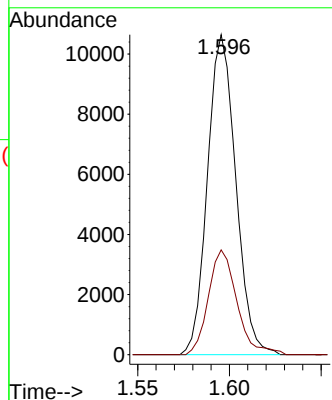
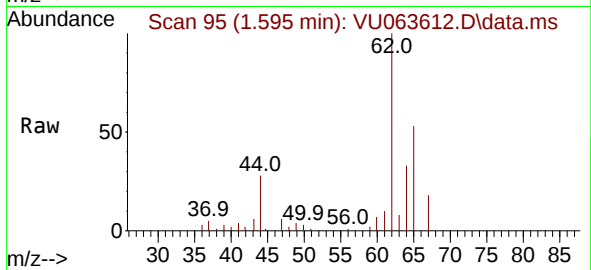




#5
 Vinyl chloride
 Concen: 4.203 ug/L
 RT: 1.595 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063612.D
 Acq: 22 Sep 2025 10:09

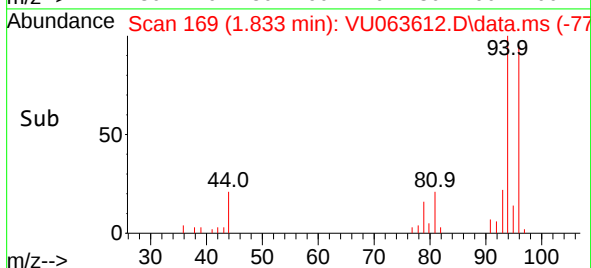
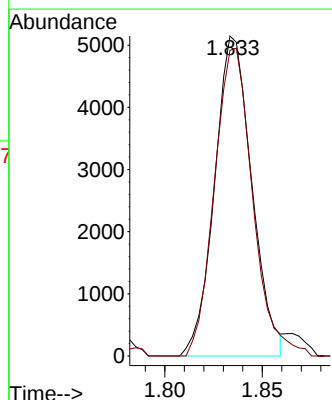
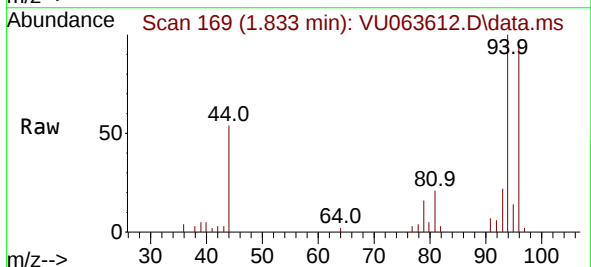
Instrument :
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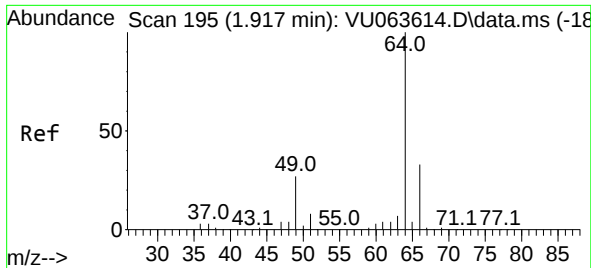
Tgt Ion: 62 Resp: 11425
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.5 41.7



#6
 Bromomethane
 Concen: 4.369 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.003 min
 Lab File: VU063612.D
 Acq: 22 Sep 2025 10:09

Tgt Ion: 94 Resp: 6809
 Ion Ratio Lower Upper
 94 100
 96 95.5 65.7 122.1

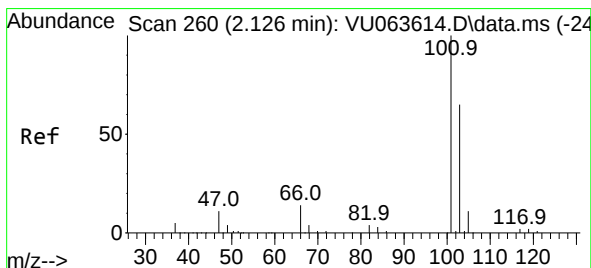
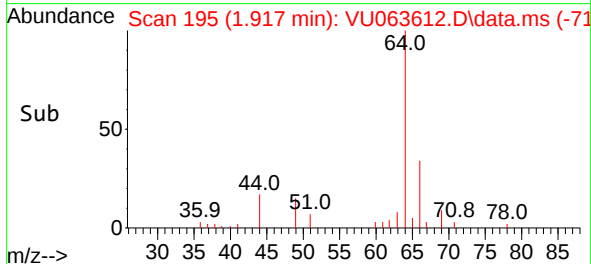
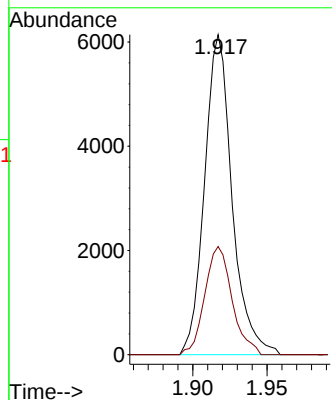
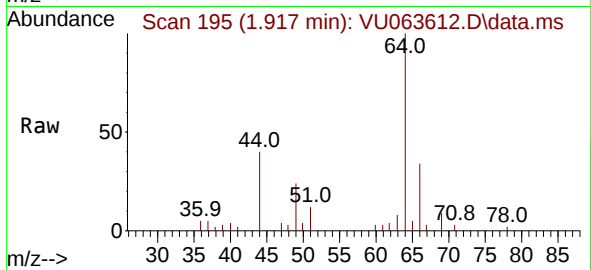




#8
Chloroethane
Concen: 4.565 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.000 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

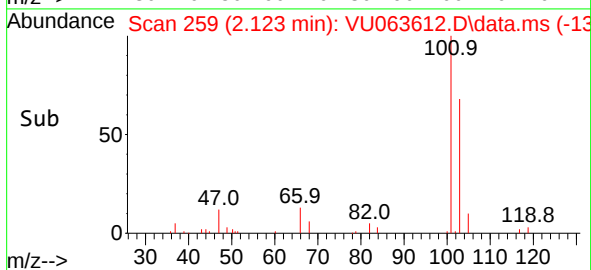
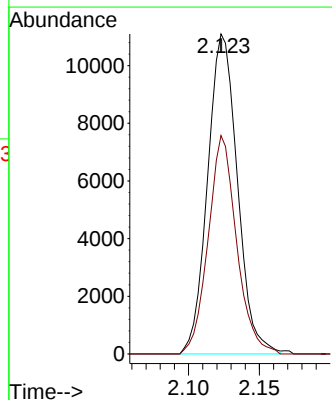
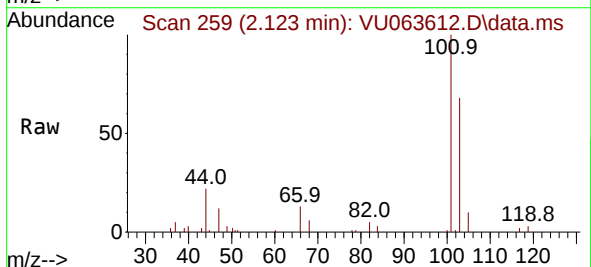
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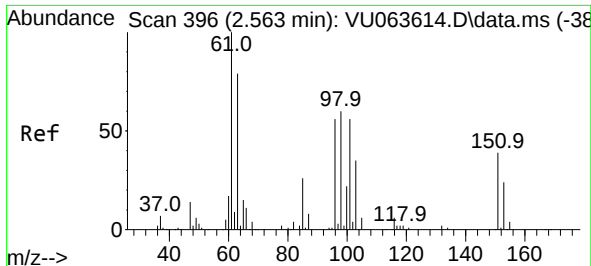
Tgt Ion: 64 Resp: 7902
Ion Ratio Lower Upper
64 100
66 33.8 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.878 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion:101 Resp: 16242
Ion Ratio Lower Upper
101 100
103 65.0 51.1 76.7

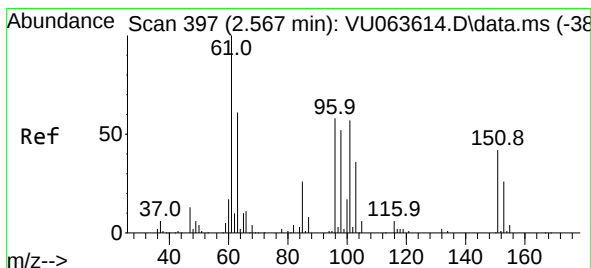
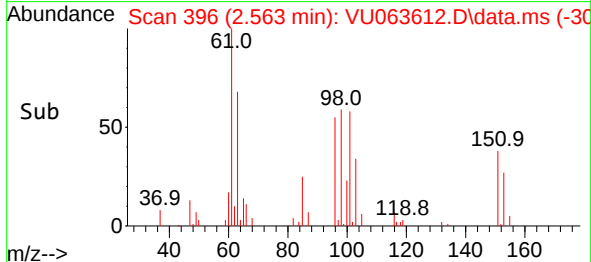
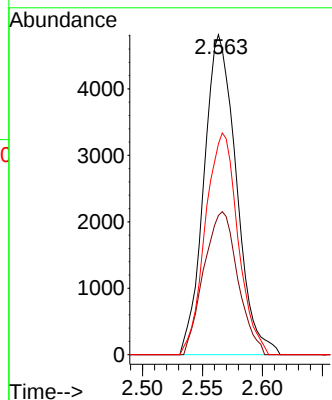
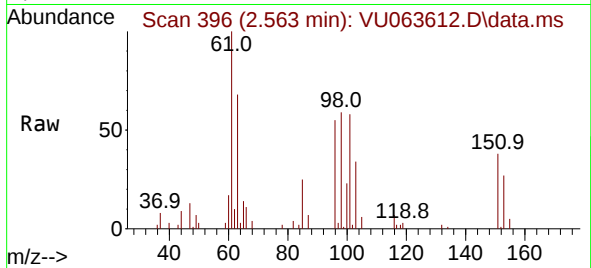




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.594 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.000 min
 Lab File: VU063612.D
 Acq: 22 Sep 2025 10:09

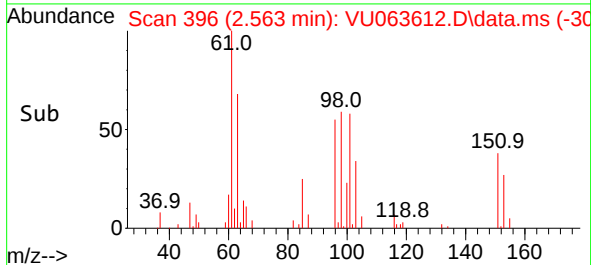
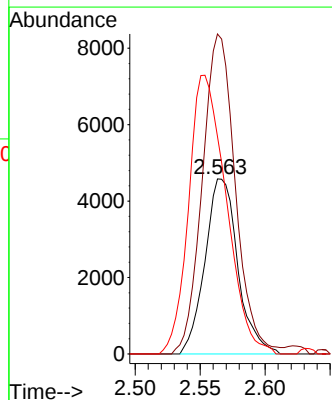
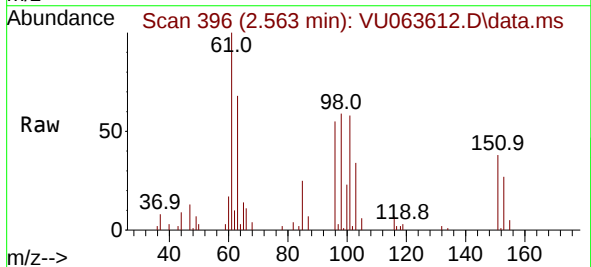
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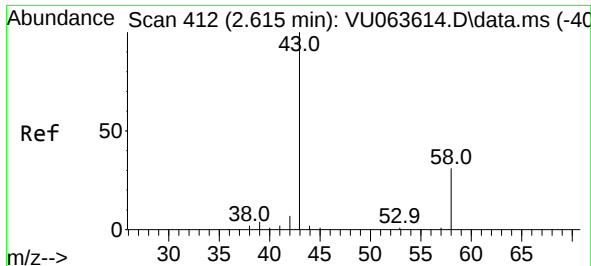
Tgt Ion:101 Resp: 9040
 Ion Ratio Lower Upper
 101 100
 85 46.9 36.8 55.2
 151 69.9 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 4.643 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063612.D
 Acq: 22 Sep 2025 10:09

Tgt Ion: 96 Resp: 8047
 Ion Ratio Lower Upper
 96 100
 61 182.9 121.4 225.4
 63 124.2 81.5 151.3





#13

Acetone

Concen: 14.499 ug/L

RT: 2.618 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

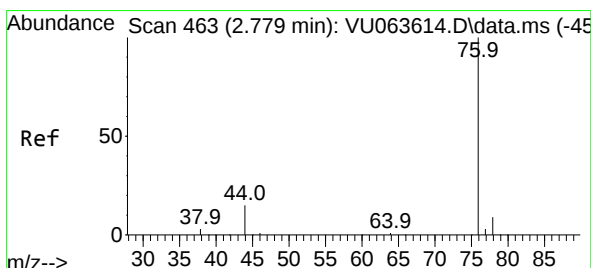
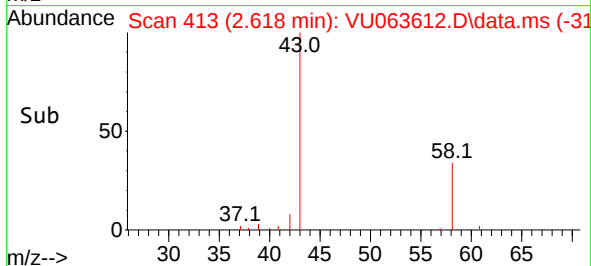
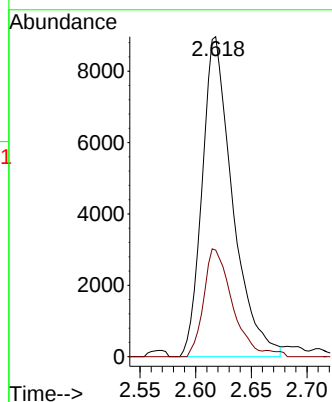
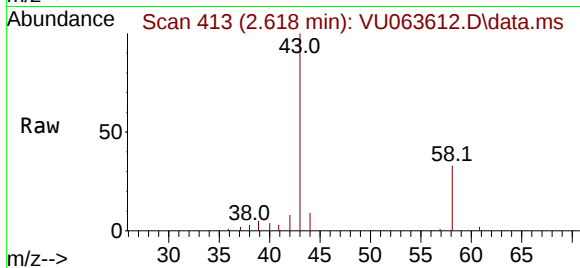
ClientSampleId :

Tgt Ion: 43 Resp: 17050

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.4



#14

Carbon disulfide

Concen: 3.690 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.003 min

Lab File: VU063612.D

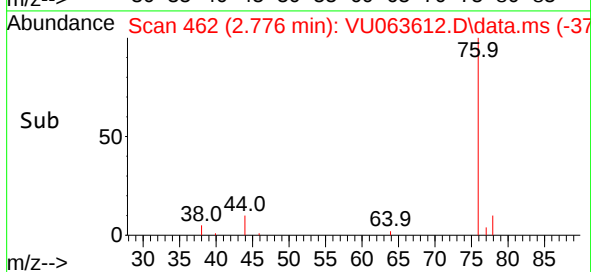
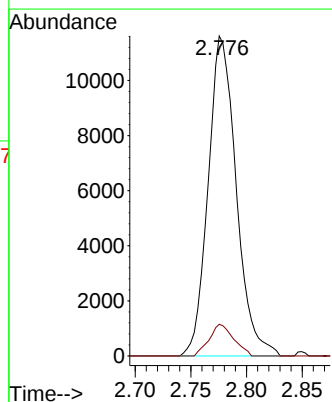
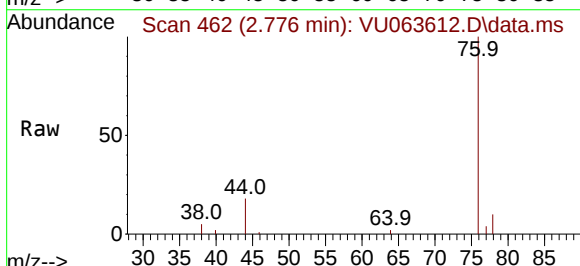
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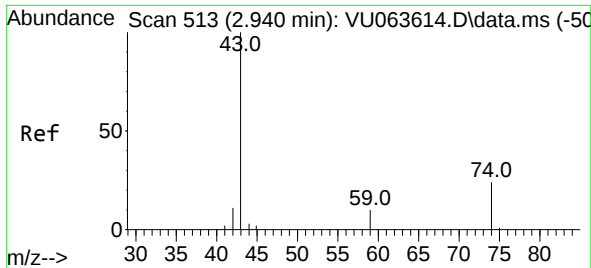
Tgt Ion: 76 Resp: 20406

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2

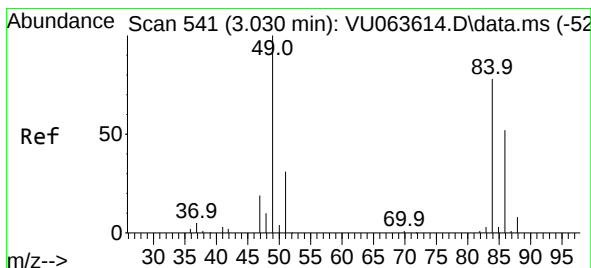
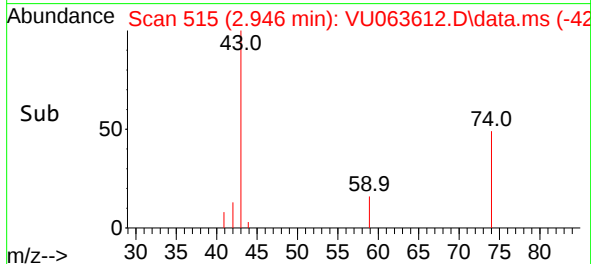
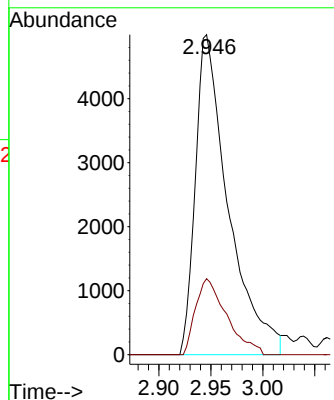
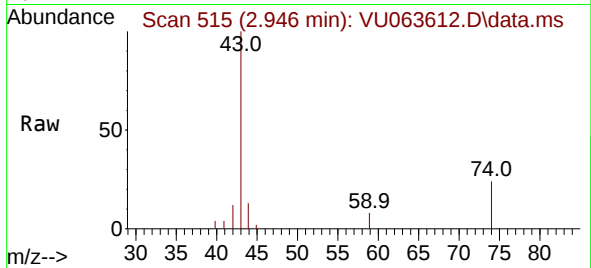




#15
Methyl Acetate
Concen: 4.590 ug/L
RT: 2.946 min Scan# 513
Delta R.T. 0.006 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

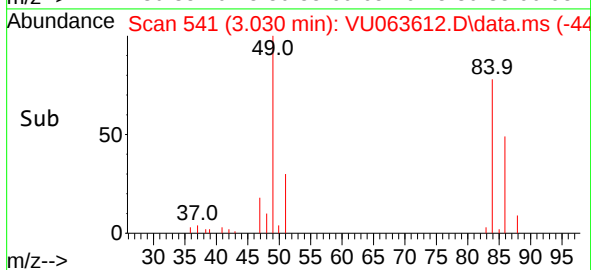
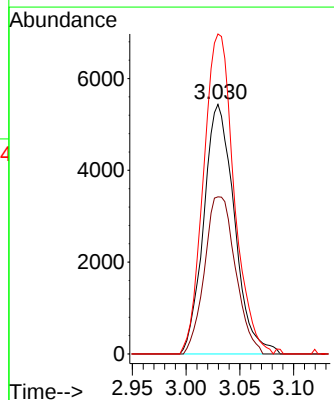
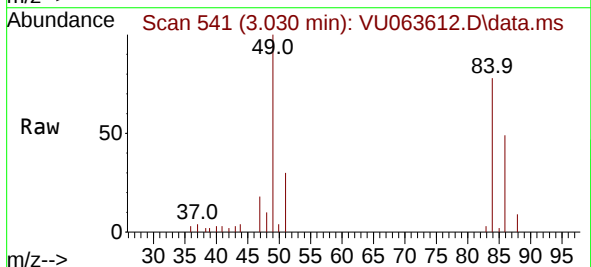
Instrument :
MSVOA_U
ClientSampleId :

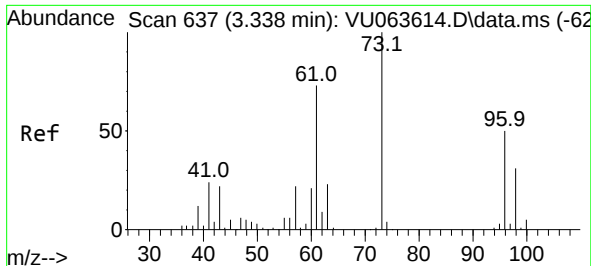
Tgt Ion: 43 Resp: 11006
Ion Ratio Lower Upper
43 100
74 22.5 18.0 27.0



#16
Methylene chloride
Concen: 4.806 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion: 84 Resp: 10786
Ion Ratio Lower Upper
84 100
86 63.0 47.2 87.6
49 128.2 90.2 167.4

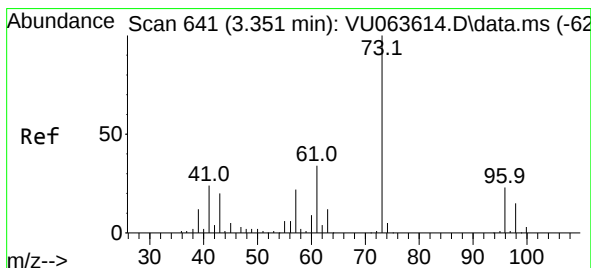
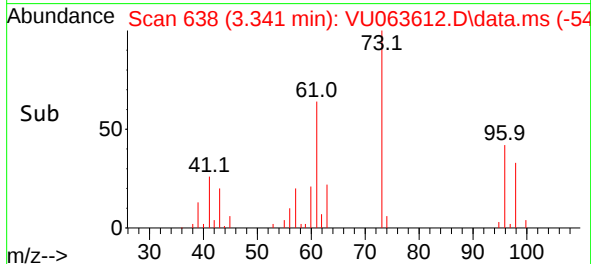
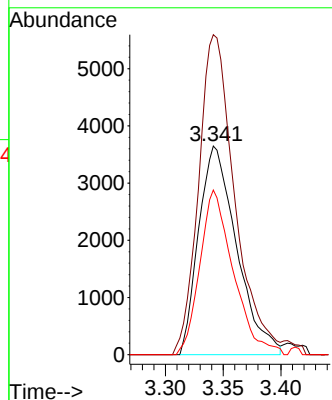
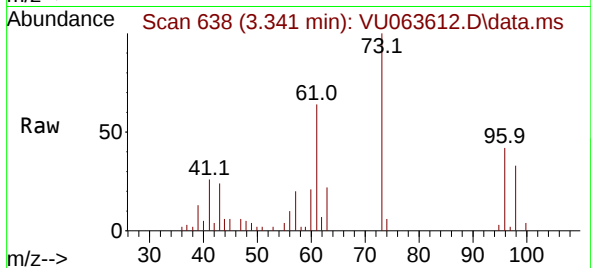




#17
trans-1,2-Dichloroethene
Concen: 4.476 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

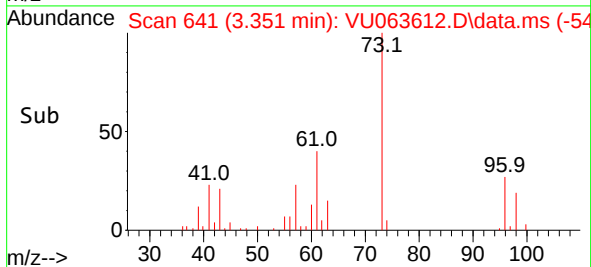
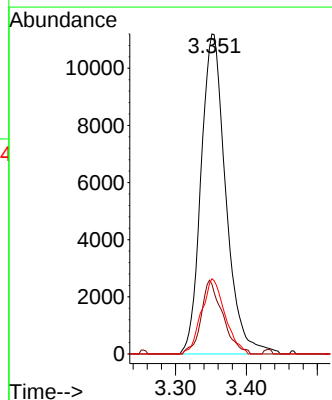
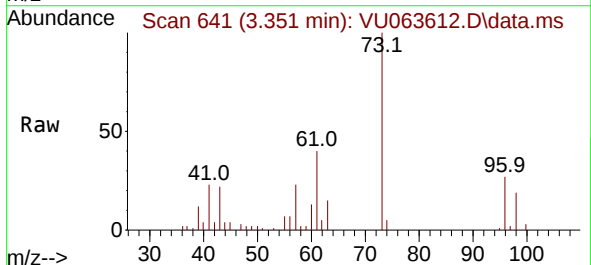
Instrument :
MSVOA_U
ClientSampleId :

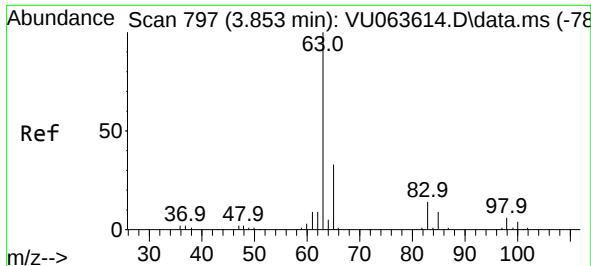
Tgt Ion: 96 Resp: 8329
Ion Ratio Lower Upper
96 100
61 153.3 102.2 189.8
98 78.9 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 4.805 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion: 73 Resp: 27177
Ion Ratio Lower Upper
73 100
43 20.0 16.5 24.7
57 22.3 17.8 26.6





#19

1,1-Dichloroethane

Concen: 4.320 ug/L

RT: 3.853 min Scan# 797

Delta R.T. -0.000 min

Lab File: VU063612.D

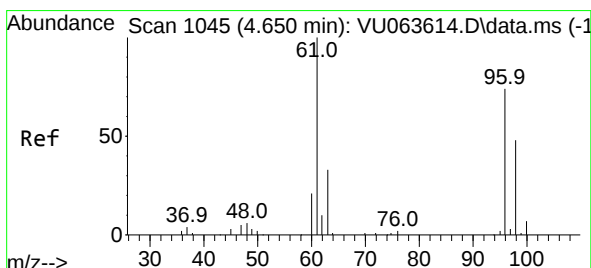
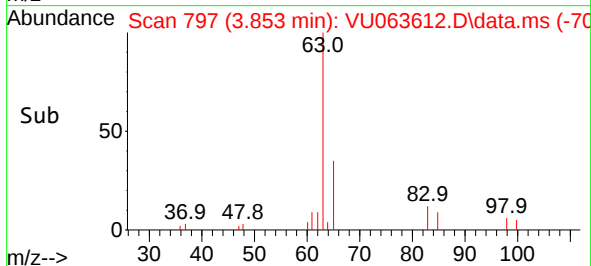
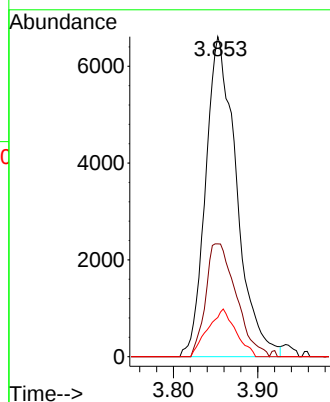
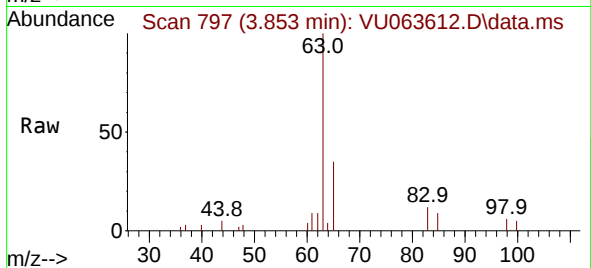
Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 16829
Ion Ratio	Lower Upper
63 100	
65 35.2	23.0 42.8
83 12.3	9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 4.538 ug/L

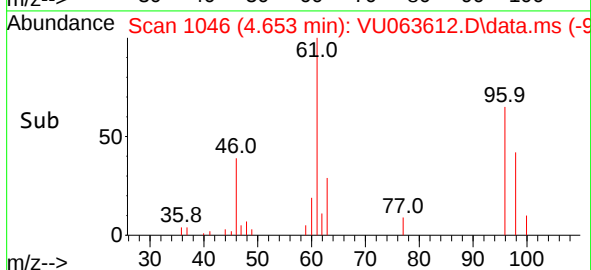
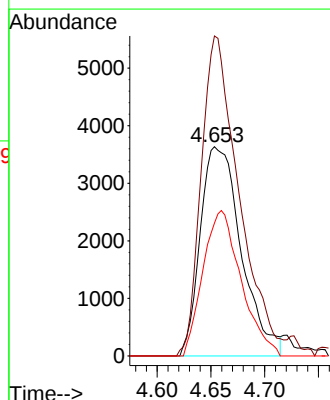
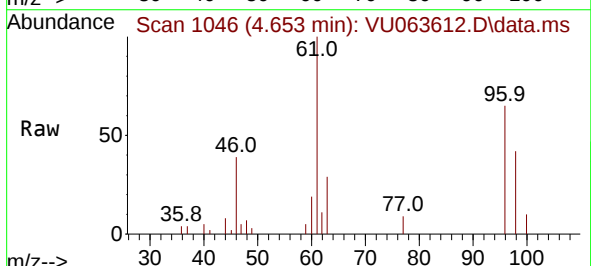
RT: 4.653 min Scan# 1046

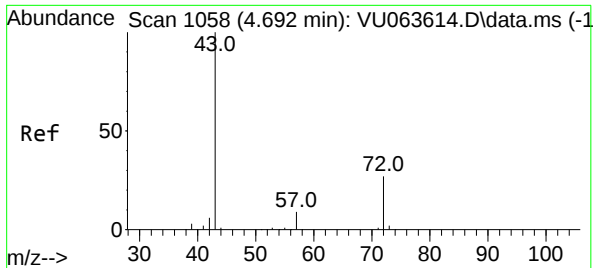
Delta R.T. 0.003 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Tgt Ion: 96	Resp: 9636		
Ion Ratio	Lower	Upper	
96 100			
61 152.9	95.5	177.3	
98 63.5	46.1	85.7	

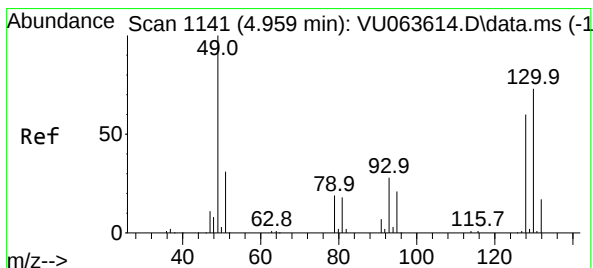
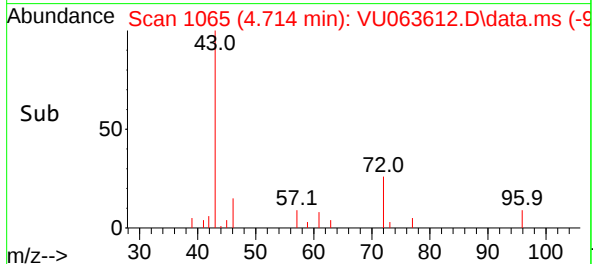
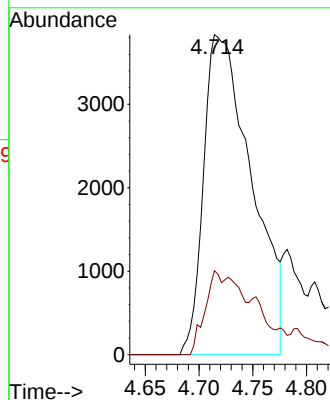
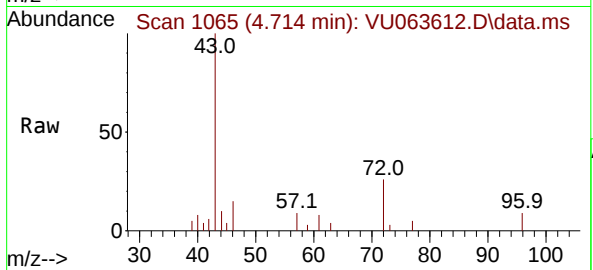




#22
2-Butanone
Concen: 6.944 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.022 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

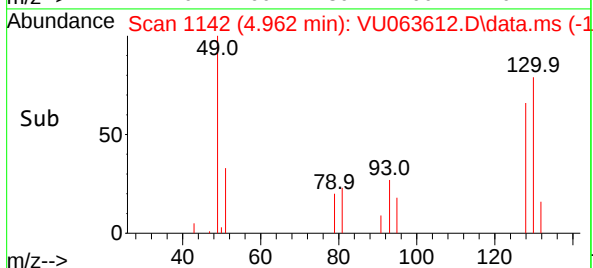
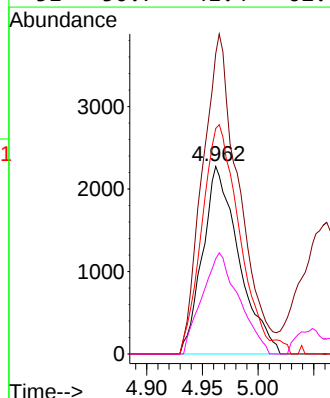
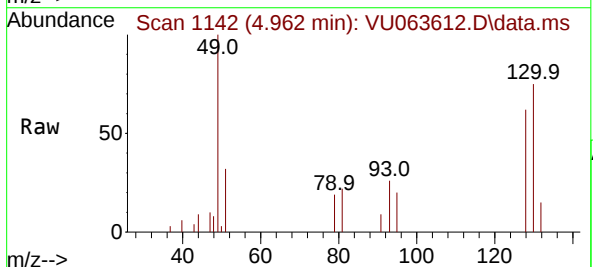
Instrument :
MSVOA_U
ClientSampleId :

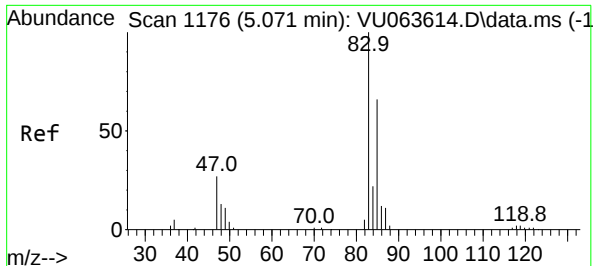
Tgt Ion: 43 Resp: 11887
Ion Ratio Lower Upper
43 100
72 9.1 12.7 38.1#



#23
Bromochloromethane
Concen: 4.519 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion:128 Resp: 5144
Ion Ratio Lower Upper
128 100
49 160.1 116.6 216.5
130 120.2 85.6 159.0
51 50.7 41.4 62.0





#25

Chloroform

Concen: 4.636 ug/L

RT: 5.078 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

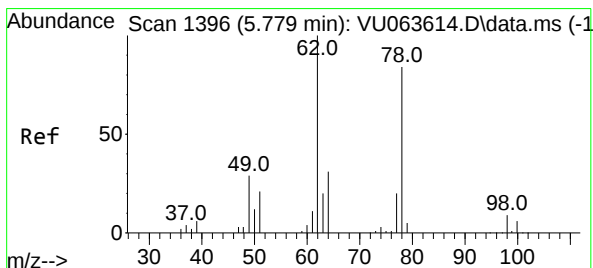
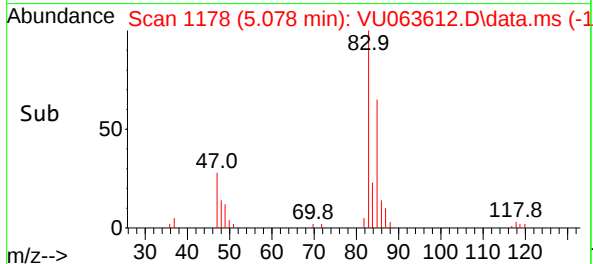
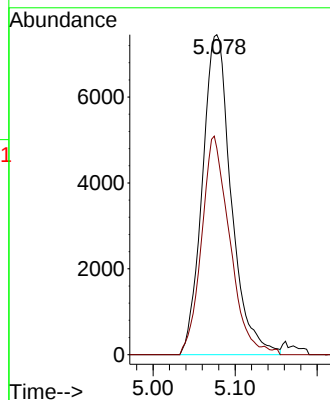
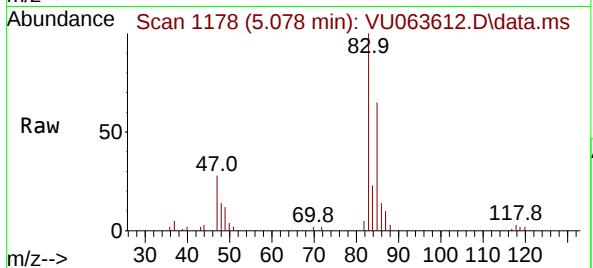
ClientSampleId :

Tgt Ion: 83 Resp: 18244

Ion Ratio Lower Upper

83 100

85 64.5 46.1 85.7



#27

1,2-Dichloroethane

Concen: 4.943 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VU063612.D

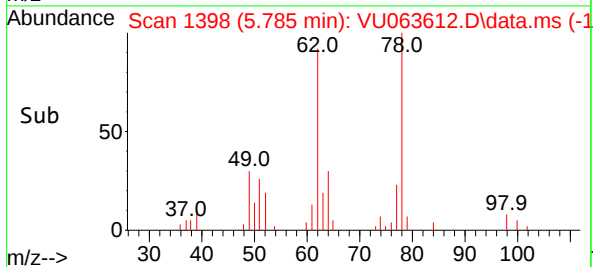
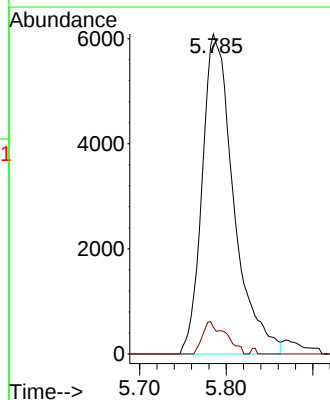
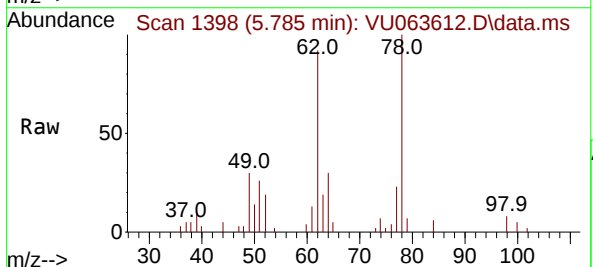
Acq: 22 Sep 2025 10:09

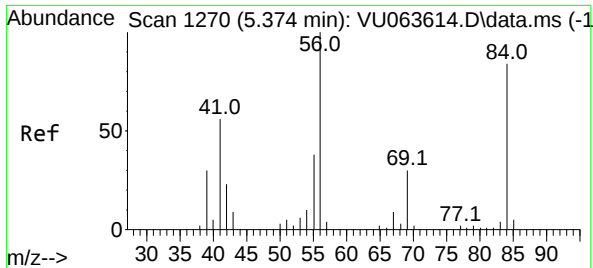
Tgt Ion: 62 Resp: 15352

Ion Ratio Lower Upper

62 100

98 8.4 7.1 10.7





#29

Cyclohexane

Concen: 4.798 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063612.D

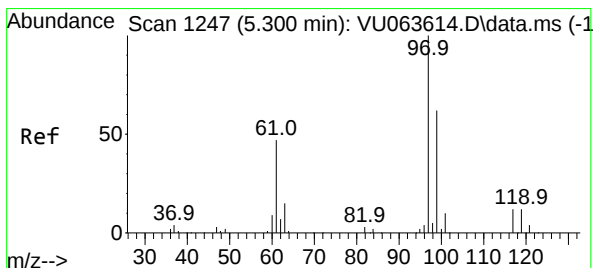
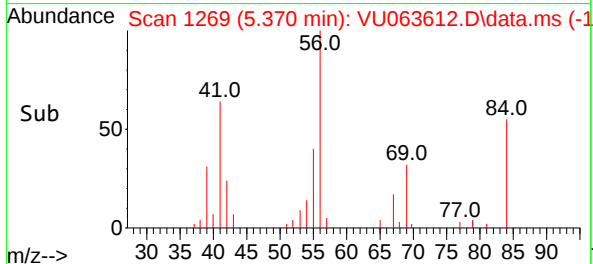
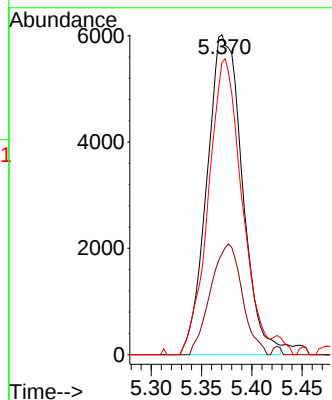
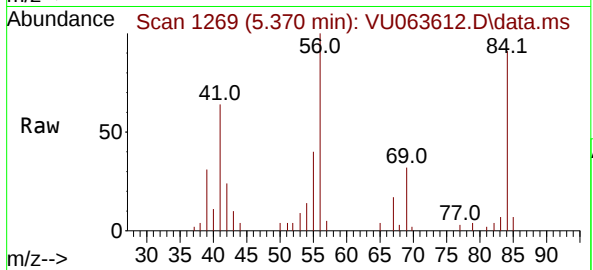
Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 56	Resp: 14664
Ion Ratio	Lower Upper
56	100
69	31.1 24.0 36.0
84	87.5 65.7 98.5



#30

1,1,1-Trichloroethane

Concen: 4.701 ug/L

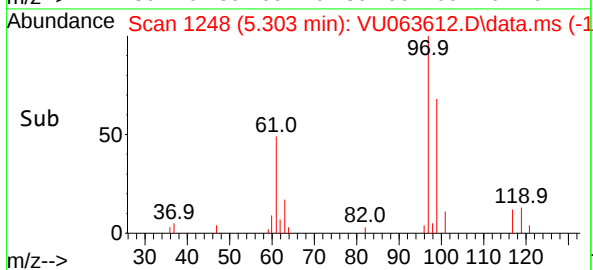
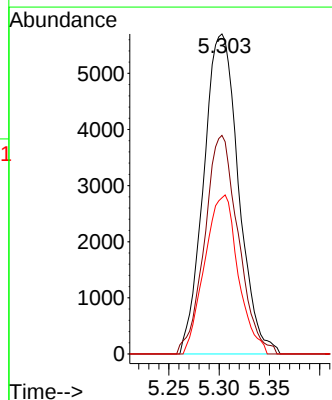
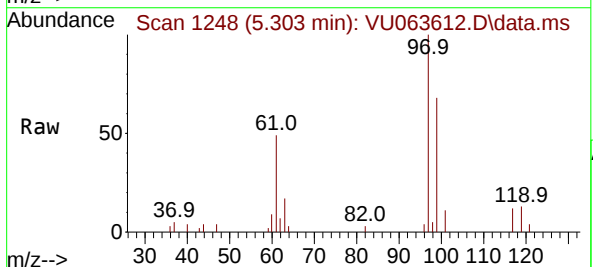
RT: 5.303 min Scan# 1248

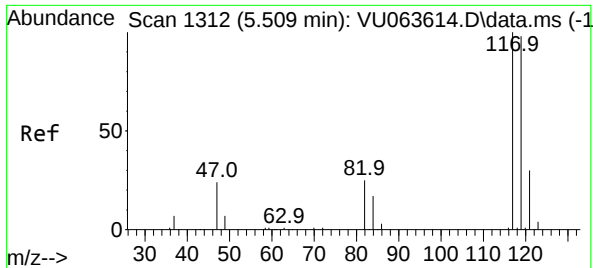
Delta R.T. 0.003 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Tgt Ion: 97	Resp: 13761
Ion Ratio	Lower Upper
97	100
99	65.6 50.6 75.8
61	47.6 38.0 57.0

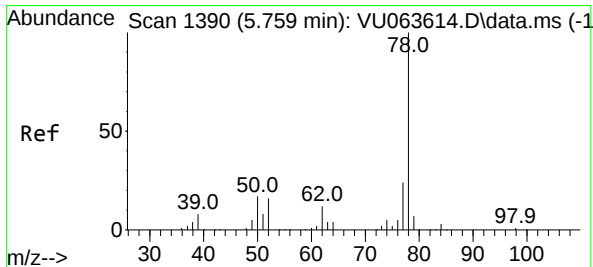
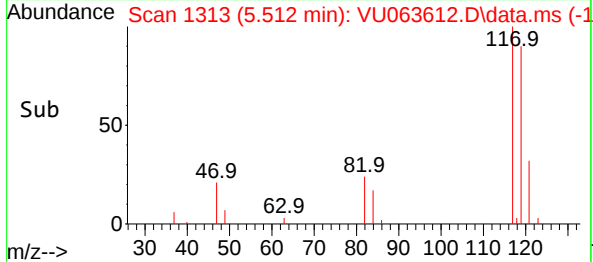
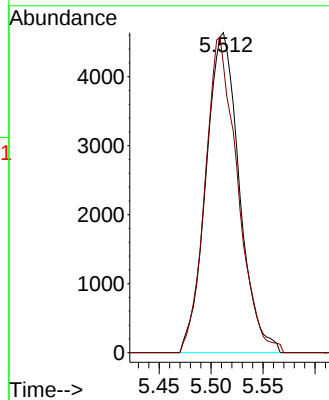
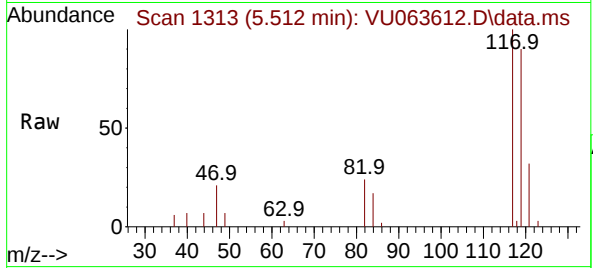




#31
Carbon tetrachloride
Concen: 4.258 ug/L
RT: 5.512 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

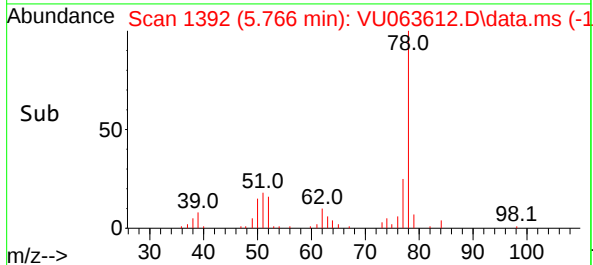
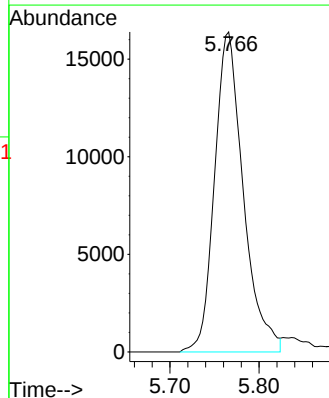
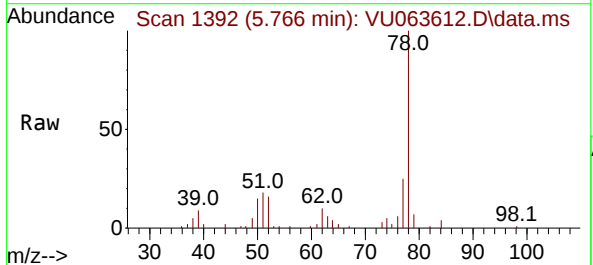
Instrument :
MSVOA_U
ClientSampleId :

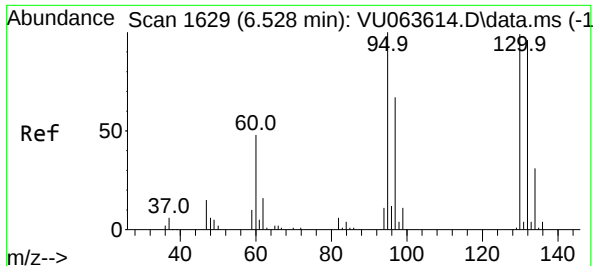
Tgt Ion:117 Resp: 10300
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.6



#33
Benzene
Concen: 4.634 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion: 78 Resp: 36722

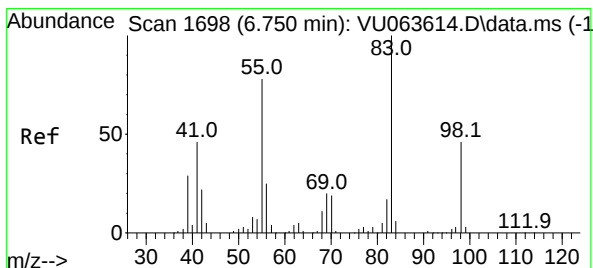
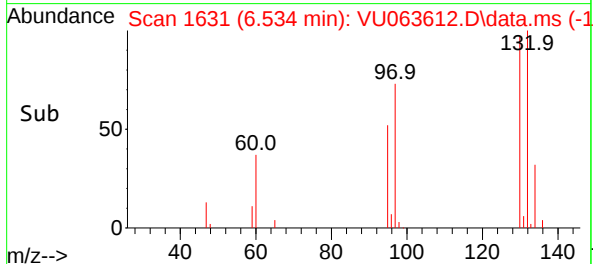
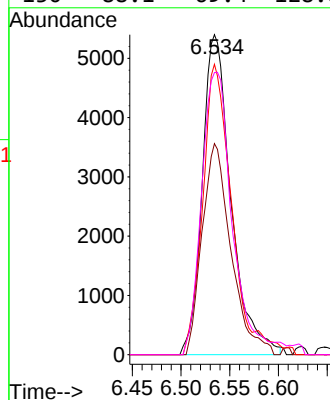
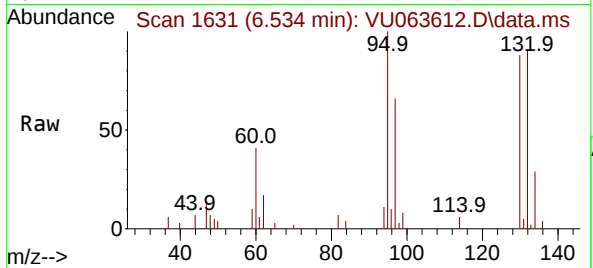




#34
Trichloroethene
Concen: 5.399 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

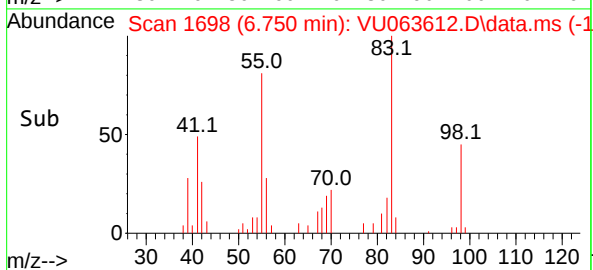
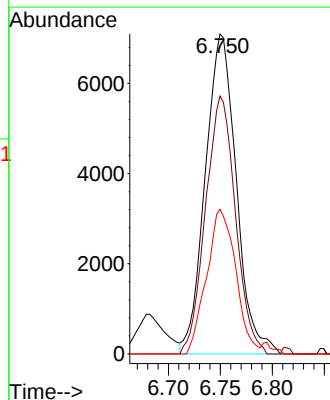
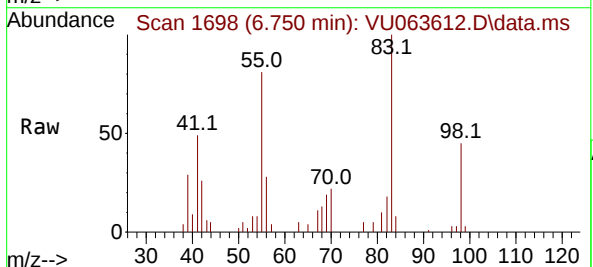
Instrument :
MSVOA_U
ClientSampleId :

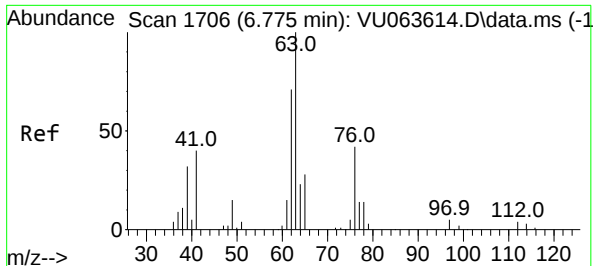
Tgt Ion: 95 Resp: 11079
Ion Ratio Lower Upper
95 100
97 65.9 46.6 86.6
132 90.7 66.8 124.2
130 88.1 69.4 128.8



#35
Methylcyclohexane
Concen: 4.845 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion: 83 Resp: 14745
Ion Ratio Lower Upper
83 100
55 77.7 63.4 95.0
98 42.5 37.3 55.9

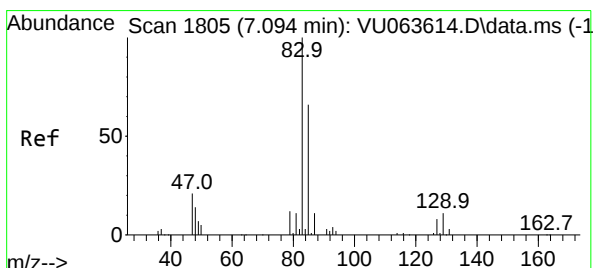
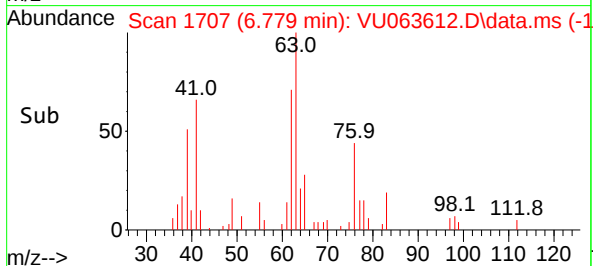
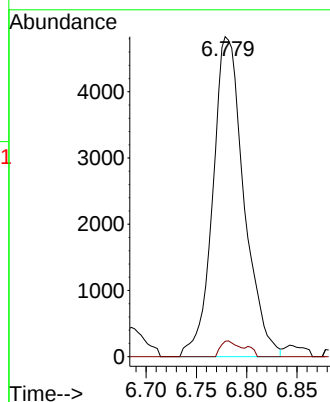
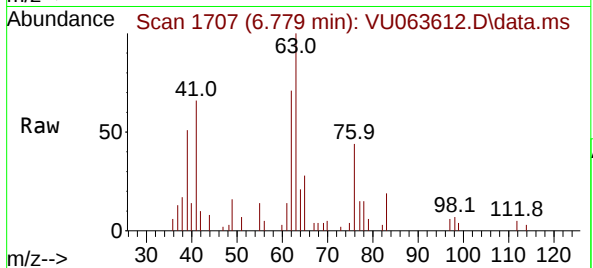




#37
1,2-Dichloropropane
Concen: 4.475 ug/L
RT: 6.779 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

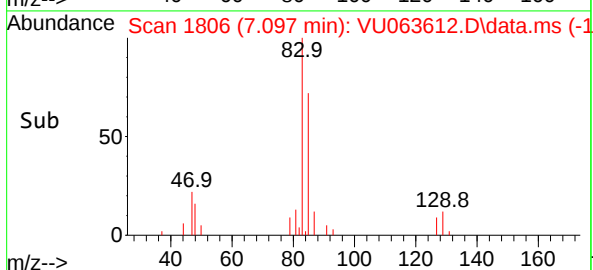
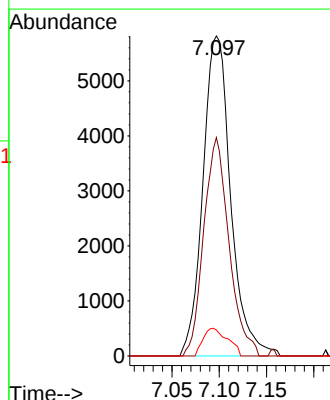
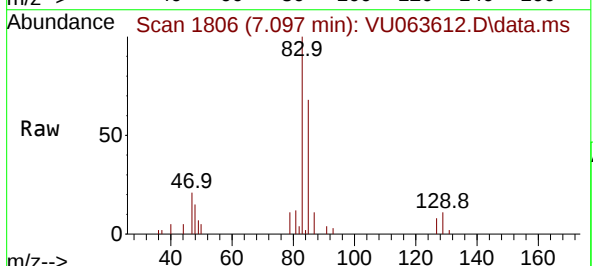
Instrument :
MSVOA_U
ClientSampleId :

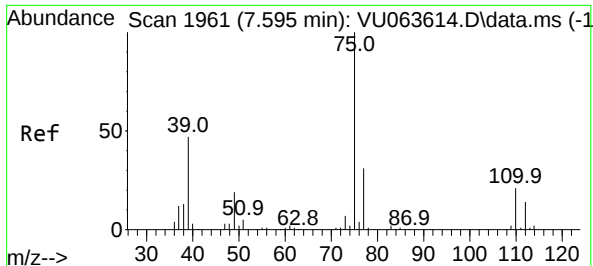
Tgt Ion: 63 Resp: 10399
Ion Ratio Lower Upper
63 100
112 2.9 3.0 4.6#



#38
Bromodichloromethane
Concen: 4.314 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion: 83 Resp: 11899
Ion Ratio Lower Upper
83 100
85 68.3 45.9 85.3
127 8.1 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 3.989 ug/L

RT: 7.602 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

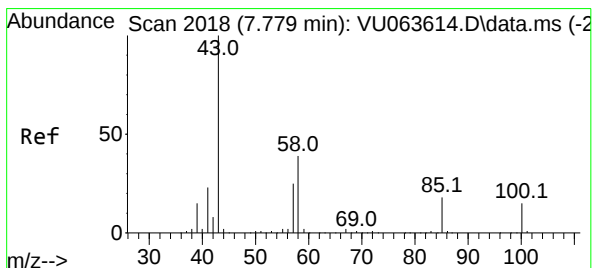
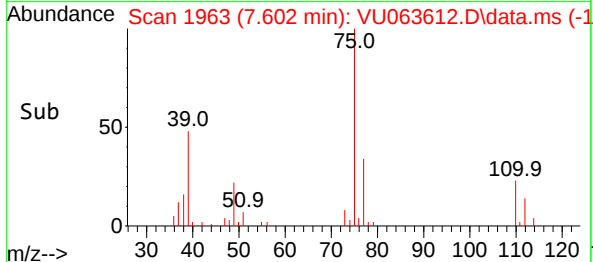
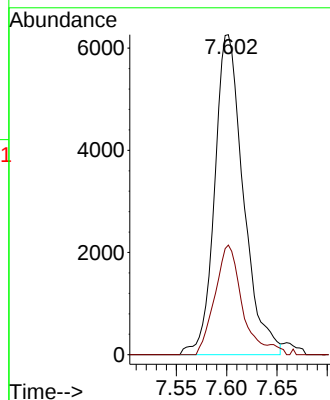
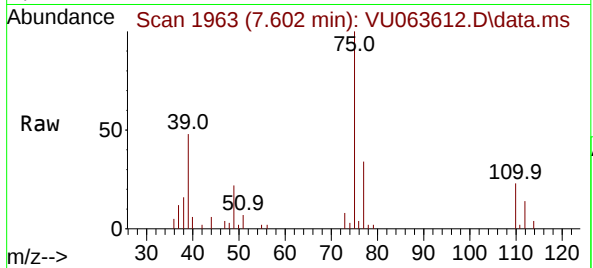
ClientSampleId :

Tgt Ion: 75 Resp: 12436

Ion Ratio Lower Upper

75 100

77 34.2 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 9.709 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.003 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

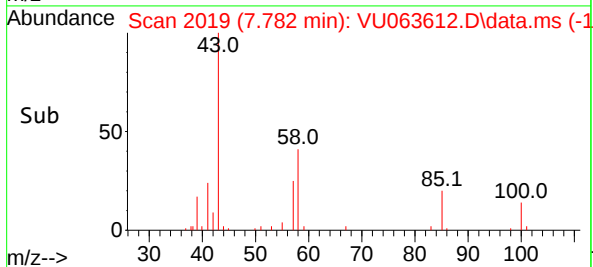
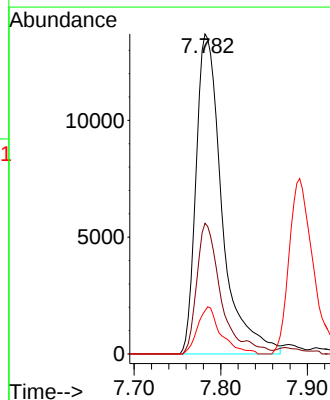
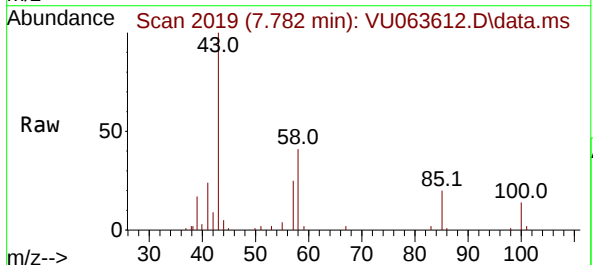
Tgt Ion: 43 Resp: 28586

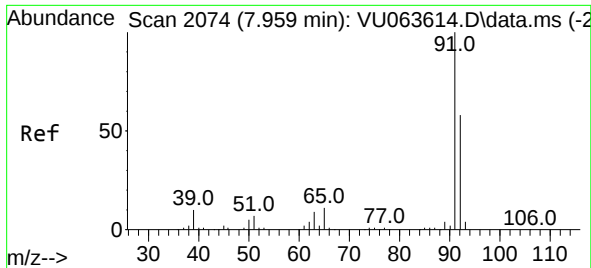
Ion Ratio Lower Upper

43 100

58 35.5 30.9 46.3

100 13.2 11.4 17.2





#42

Toluene

Concen: 4.872 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

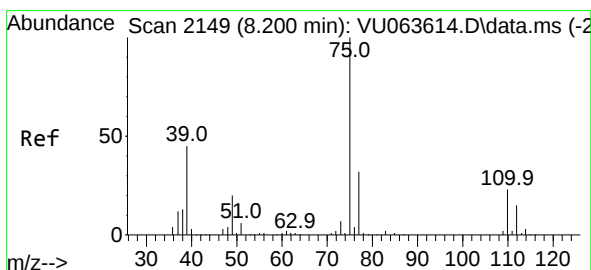
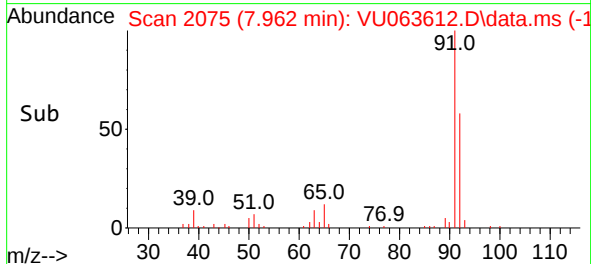
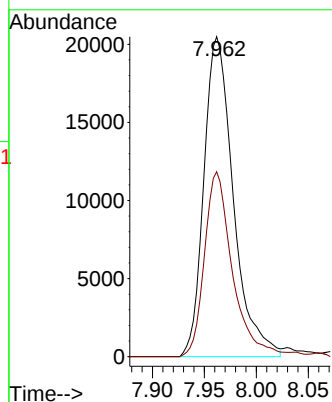
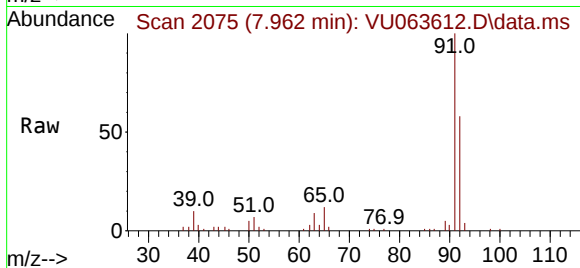
ClientSampleId :

Tgt Ion: 91 Resp: 40401

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 3.599 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU063612.D

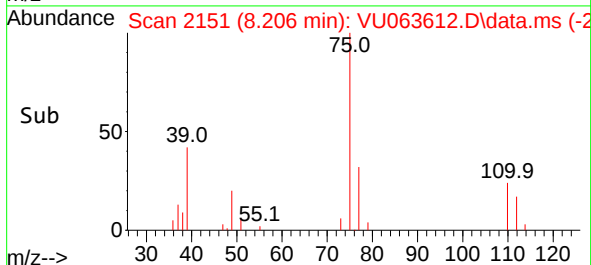
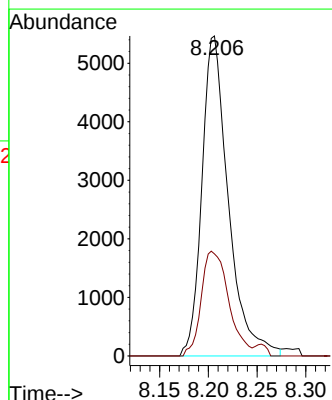
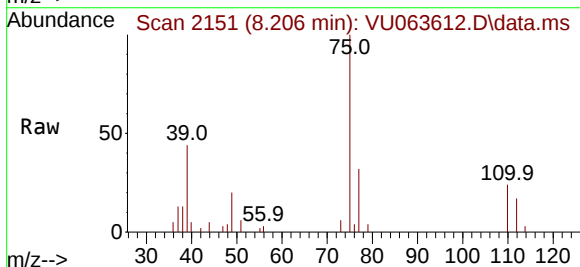
Acq: 22 Sep 2025 10:09

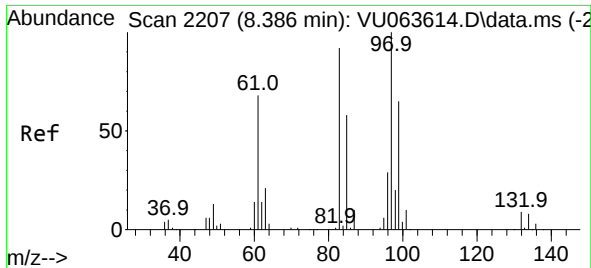
Tgt Ion: 75 Resp: 10321

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 4.741 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 10239

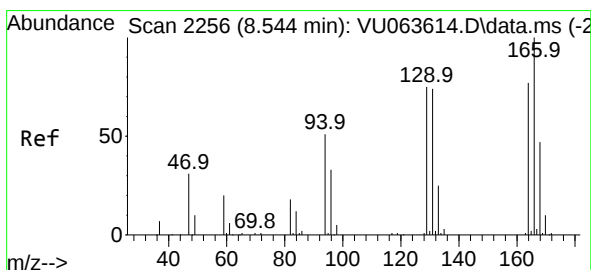
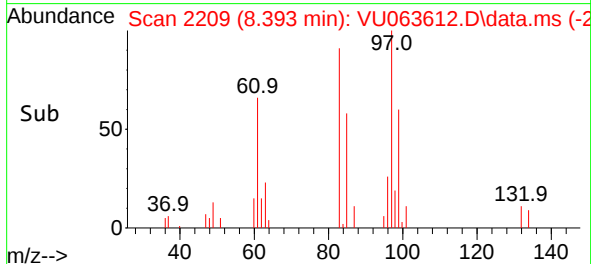
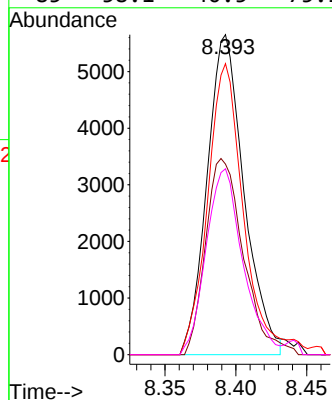
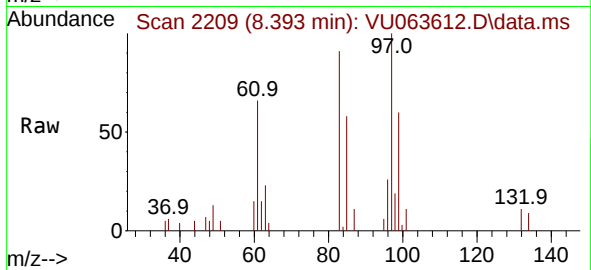
Ion Ratio Lower Upper

97 100

99 59.6 45.8 85.0

83 91.0 64.4 119.6

85 58.1 40.5 75.1



#46

Tetrachloroethene

Concen: 4.914 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Tgt Ion: 164 Resp: 7506

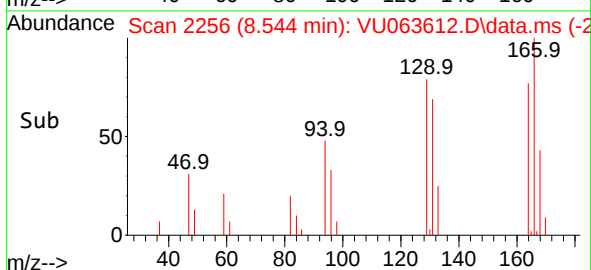
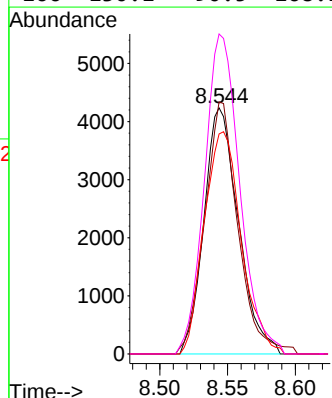
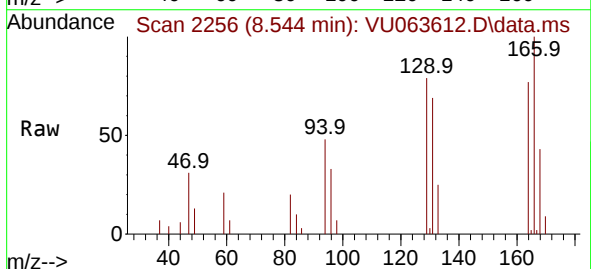
Ion Ratio Lower Upper

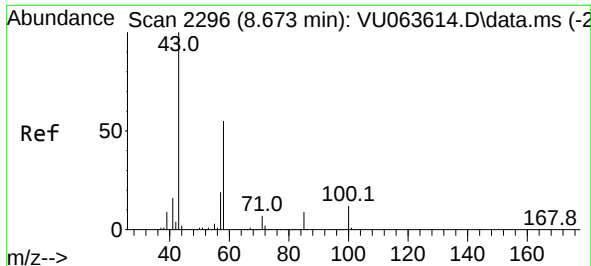
164 100

129 102.4 67.5 125.3

131 89.4 67.0 124.4

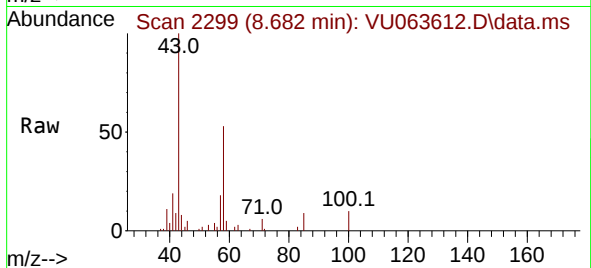
166 130.1 90.5 168.1



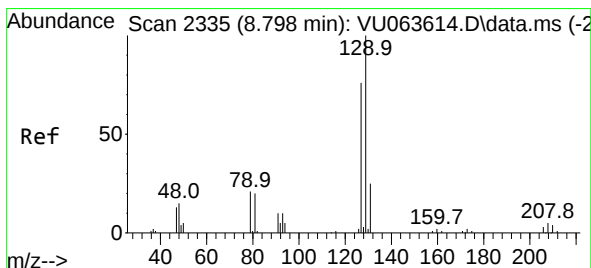
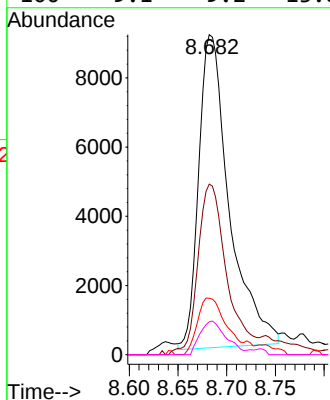
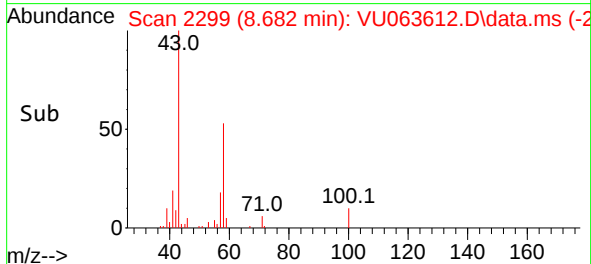


#48
2-Hexanone
Concen: 8.744 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Instrument :
MSVOA_U
ClientSampleId :

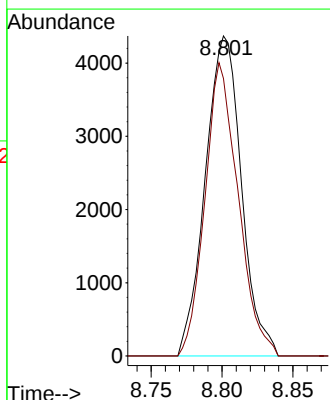
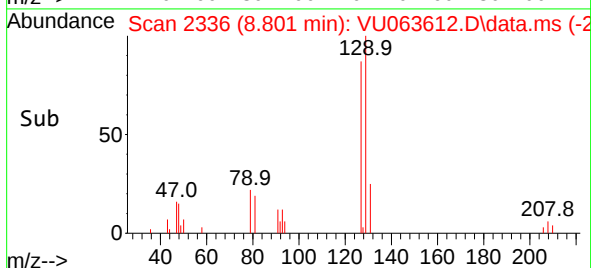
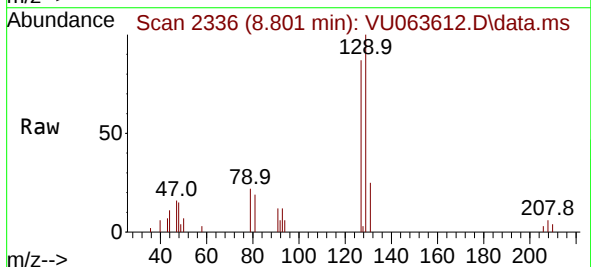


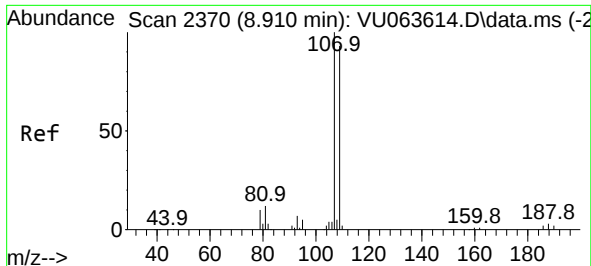
Tgt Ion: 43 Resp: 19768
Ion Ratio Lower Upper
43 100
58 51.7 41.7 62.5
57 17.0 14.7 22.1
100 9.1 9.2 13.8#



#49
Dibromochloromethane
Concen: 3.838 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion: 129 Resp: 7763
Ion Ratio Lower Upper
129 100
127 89.4 53.1 98.7





#50

1,2-Dibromoethane

Concen: 4.619 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU063612.D

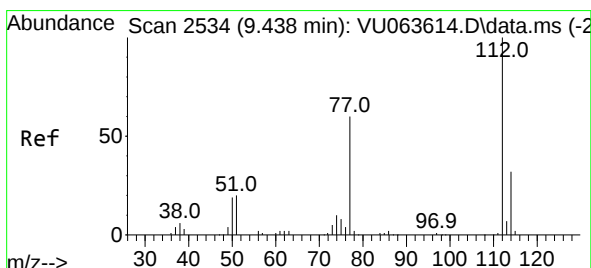
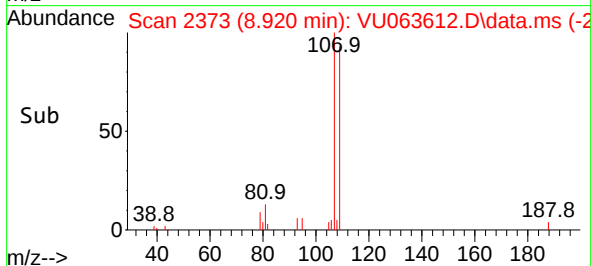
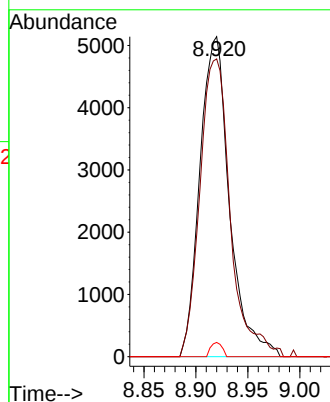
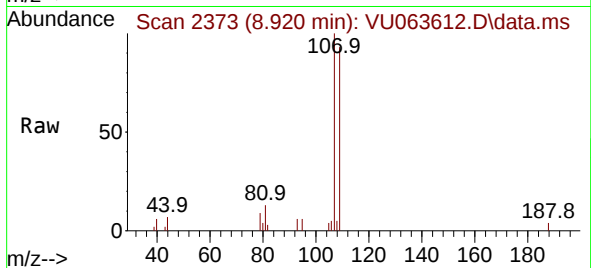
Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	10197
Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.0	120.6
188	4.5	2.6	4.0#



#51

Chlorobenzene

Concen: 4.959 ug/L

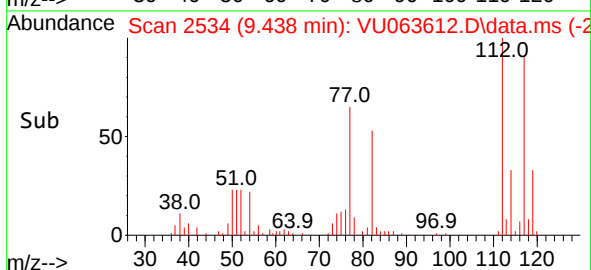
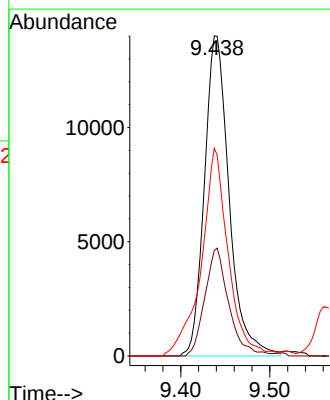
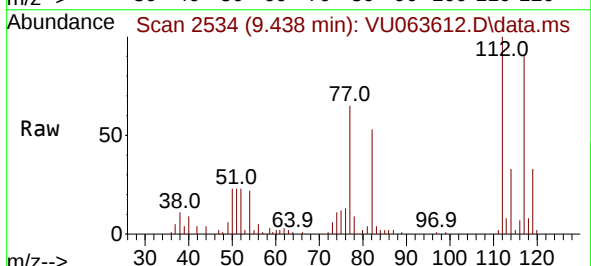
RT: 9.438 min Scan# 2534

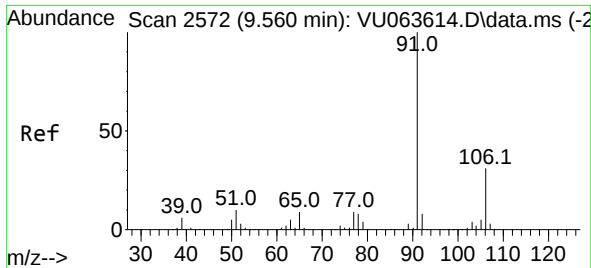
Delta R.T. -0.000 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Tgt Ion:	112	Resp:	27009
Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.4	41.6
77	64.9	48.2	72.2

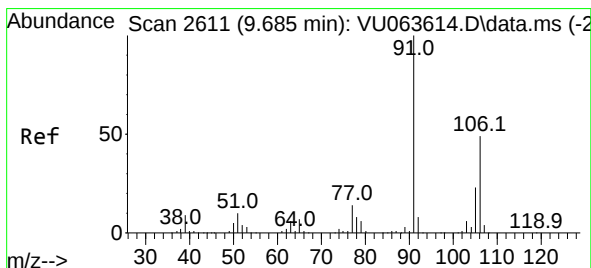
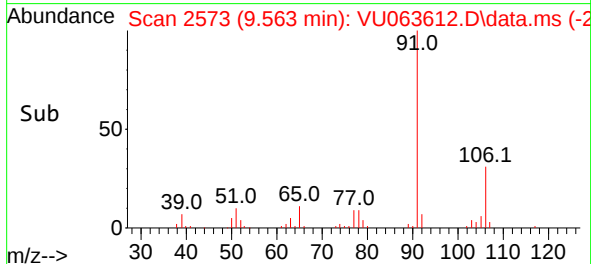
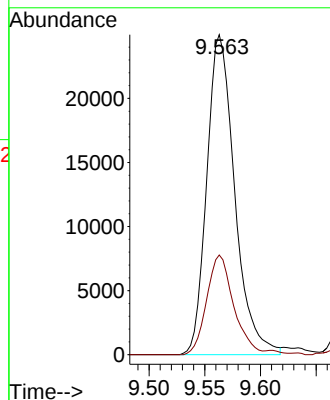
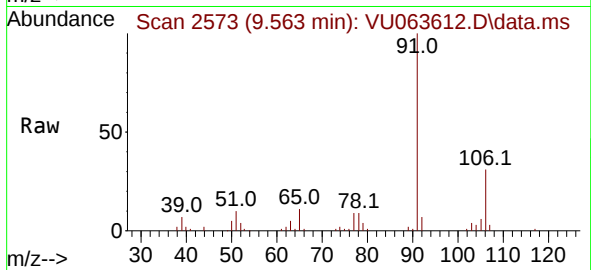




#52
Ethylbenzene
Concen: 4.932 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

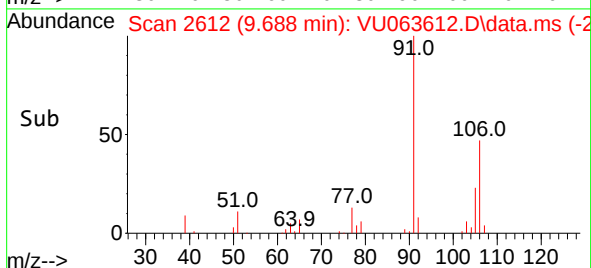
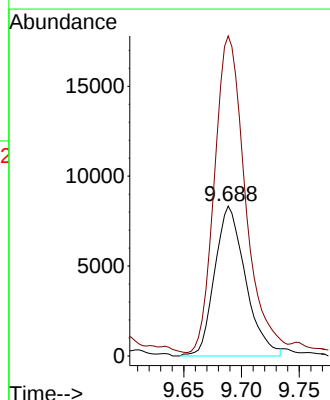
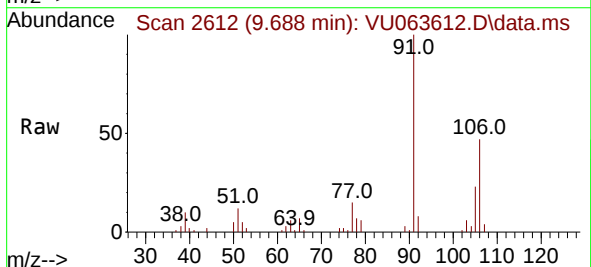
Instrument :
MSVOA_U
ClientSampleId :

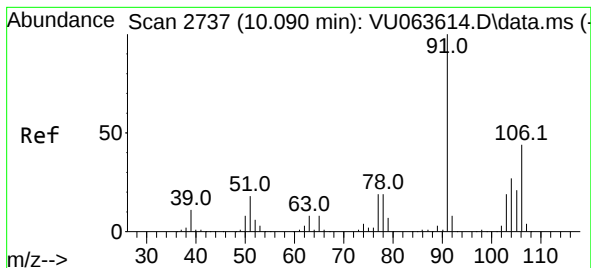
Tgt Ion: 91 Resp: 43580
Ion Ratio Lower Upper
91 100
106 31.2 21.5 39.9



#53
m,p-Xylene
Concen: 4.768 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion:106 Resp: 15447
Ion Ratio Lower Upper
106 100
91 213.4 144.1 267.7





#54

o-Xylene

Concen: 5.077 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

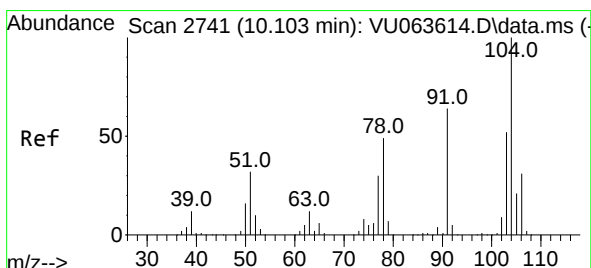
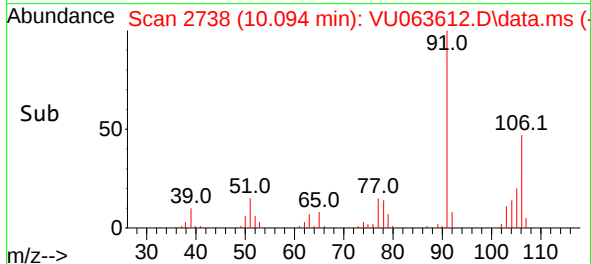
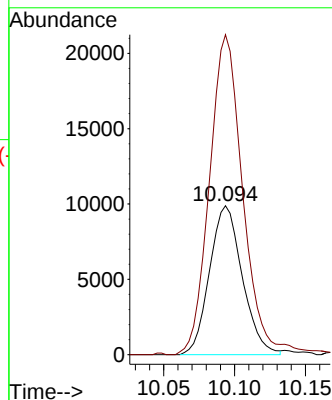
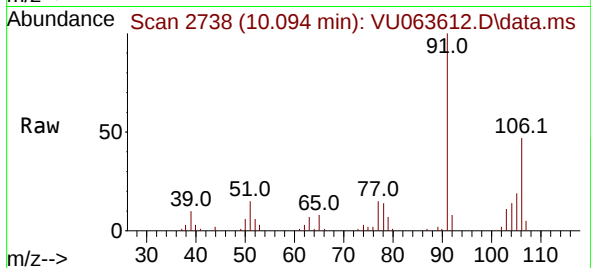
ClientSampleId :

Tgt Ion:106 Resp: 15894

Ion Ratio Lower Upper

106 100

91 214.9 158.5 294.3



#55

Styrene

Concen: 4.537 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.010 min

Lab File: VU063612.D

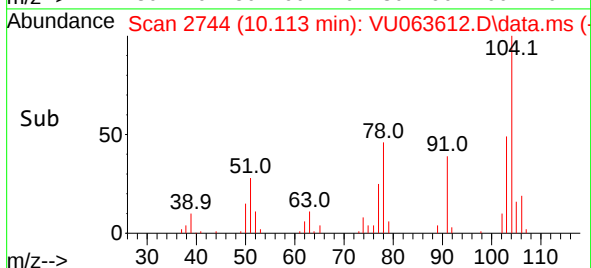
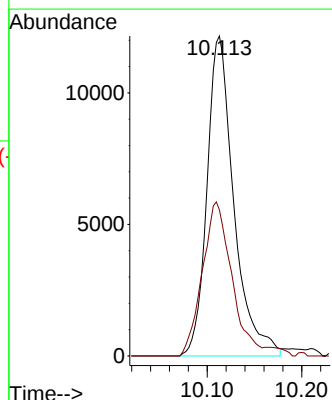
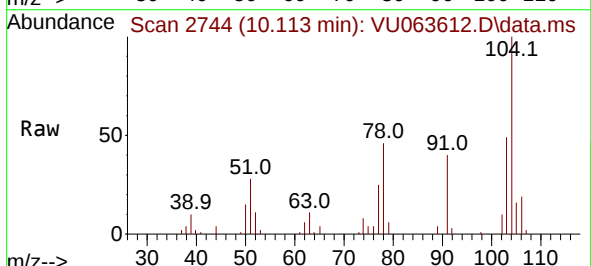
Acq: 22 Sep 2025 10:09

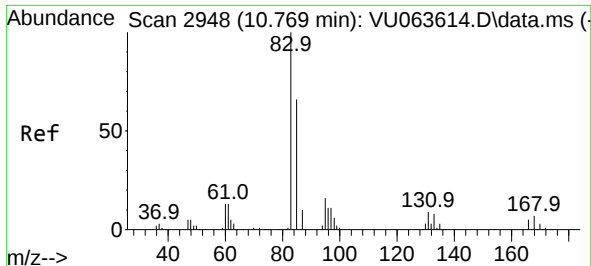
Tgt Ion:104 Resp: 23998

Ion Ratio Lower Upper

104 100

78 45.6 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 4.373 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU063612.D

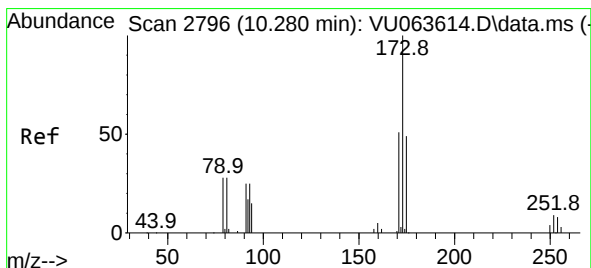
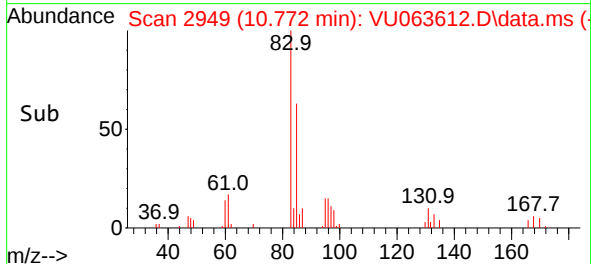
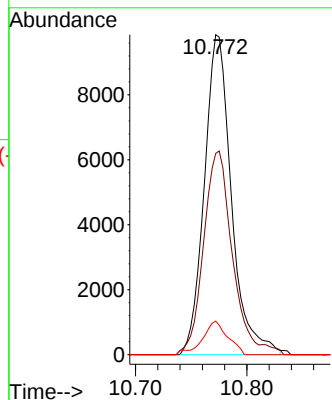
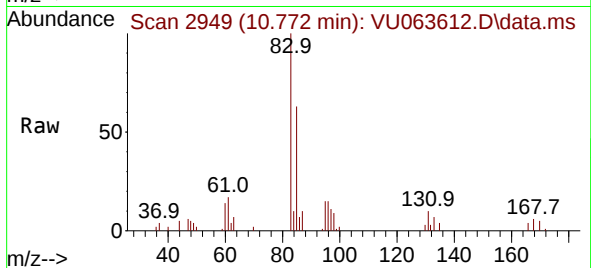
Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	16681
Ion Ratio	Lower	Upper	
83	100		
85	62.9	46.0	85.4
131	13.1	7.4	11.2#



#59

Bromoform

Concen: 3.973 ug/L

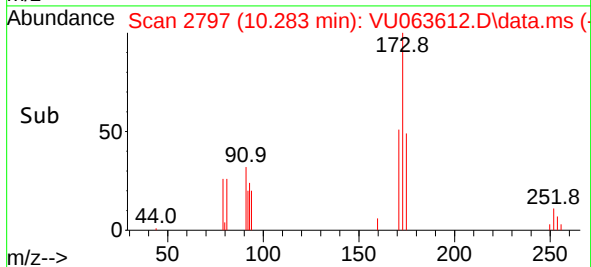
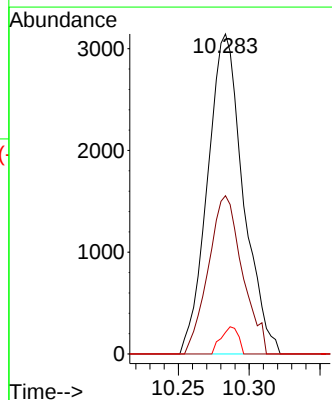
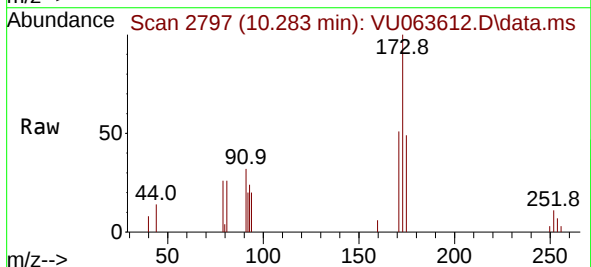
RT: 10.283 min Scan# 2797

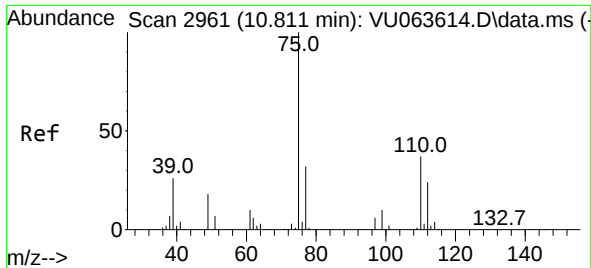
Delta R.T. 0.003 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Tgt Ion:	173	Resp:	5499
Ion Ratio	Lower	Upper	
173	100		
175	47.2	39.3	58.9
254	4.1	6.2	9.4#

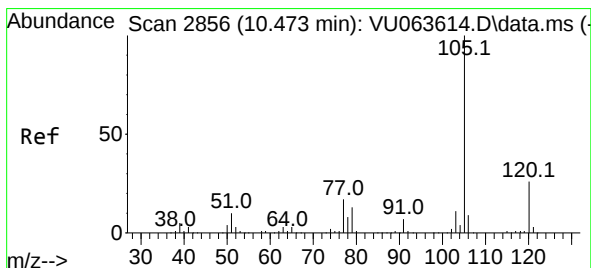
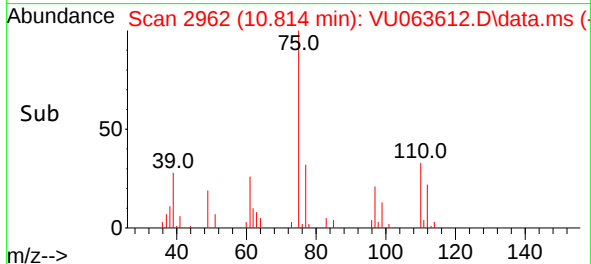
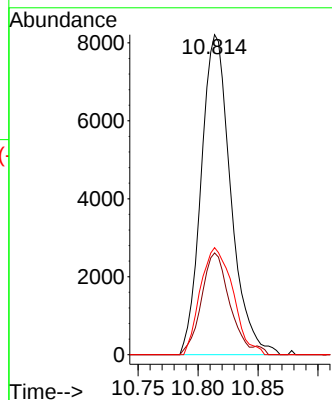
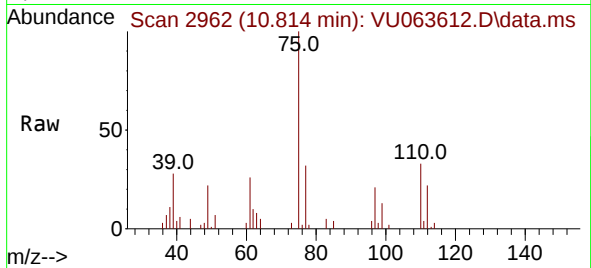




#60
 1,2,3-Trichloropropane
 Concen: 5.477 ug/L
 RT: 10.814 min Scan# 2961
 Delta R.T. 0.003 min
 Lab File: VU063612.D
 Acq: 22 Sep 2025 10:09

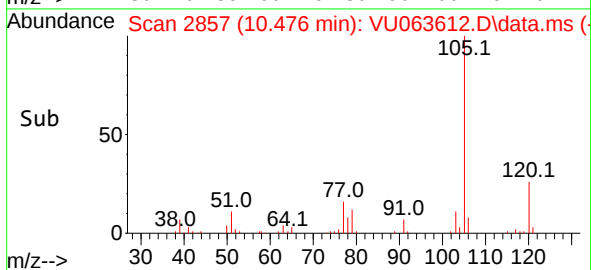
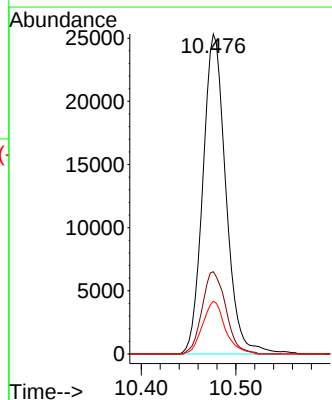
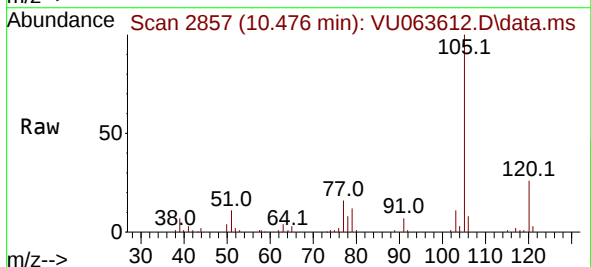
Instrument :
 MSVOA_U
 ClientSampleId :

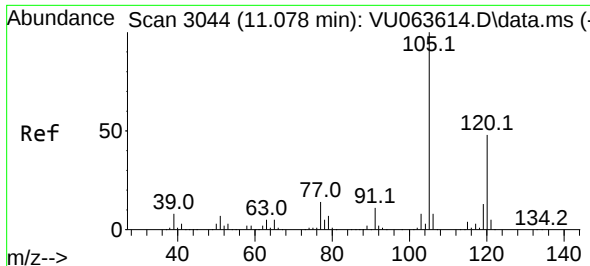
Tgt Ion:	75	Resp:	14056
Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.7	38.5
110	36.8	29.2	43.8



#61
 Isopropylbenzene
 Concen: 5.926 ug/L
 RT: 10.476 min Scan# 2857
 Delta R.T. 0.003 min
 Lab File: VU063612.D
 Acq: 22 Sep 2025 10:09

Tgt Ion:	105	Resp:	42772
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.2	31.8
77	16.2	13.4	20.0

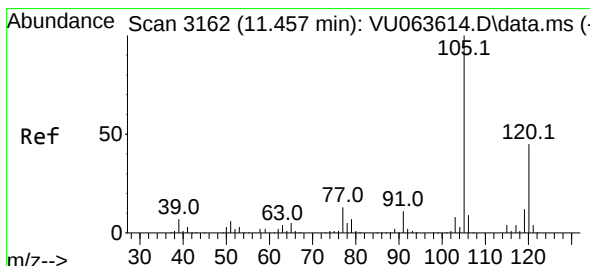
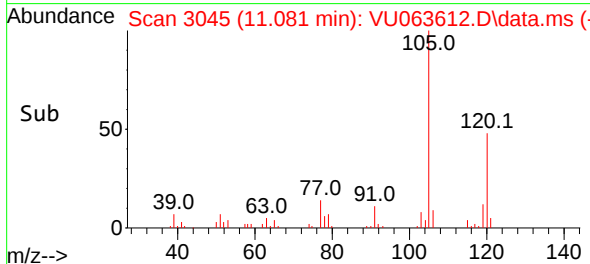
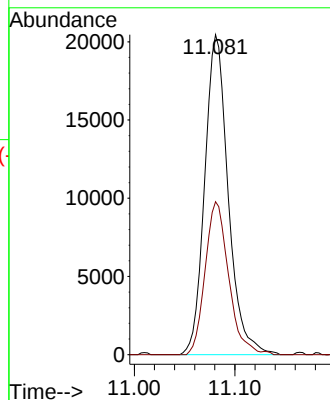
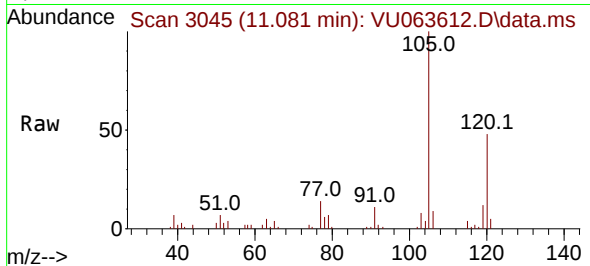




#62
 1,3,5-Trimethylbenzene
 Concen: 5.849 ug/L
 RT: 11.081 min Scan# 3044
 Delta R.T. 0.003 min
 Lab File: VU063612.D
 Acq: 22 Sep 2025 10:09

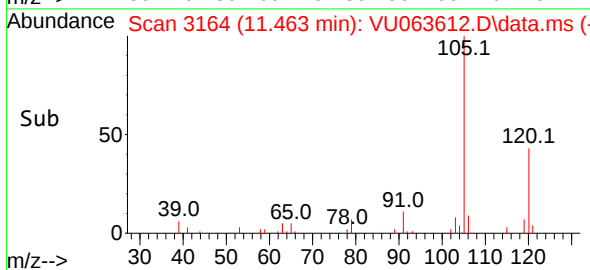
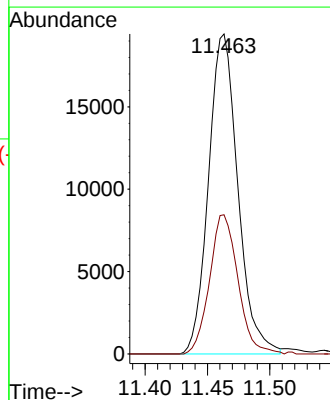
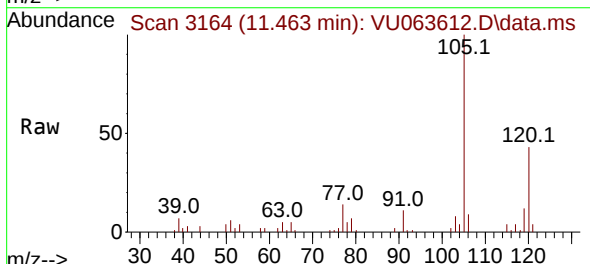
Instrument :
 MSVOA_U
 ClientSampleId :

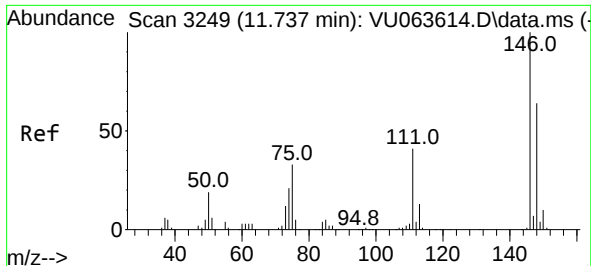
Tgt Ion:105 Resp: 33229
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.906 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.006 min
 Lab File: VU063612.D
 Acq: 22 Sep 2025 10:09

Tgt Ion:105 Resp: 31870
 Ion Ratio Lower Upper
 105 100
 120 42.0 35.6 53.4

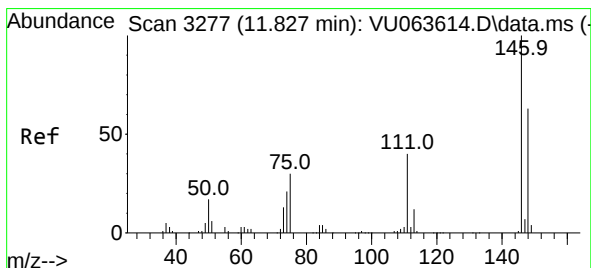
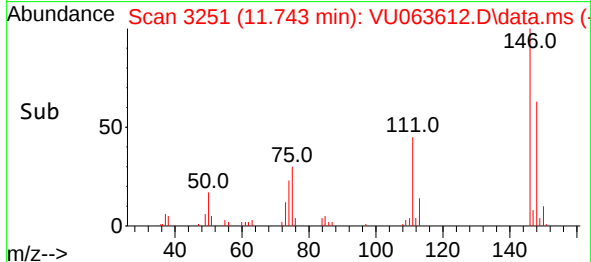
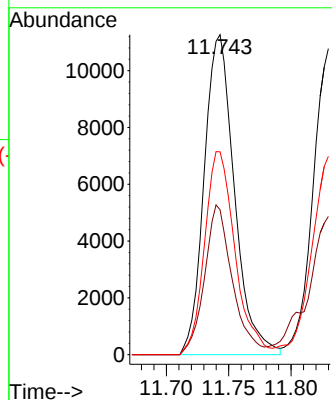
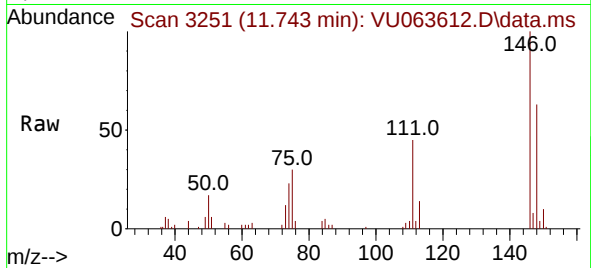




#64
1,3-Dichlorobenzene
Concen: 5.375 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

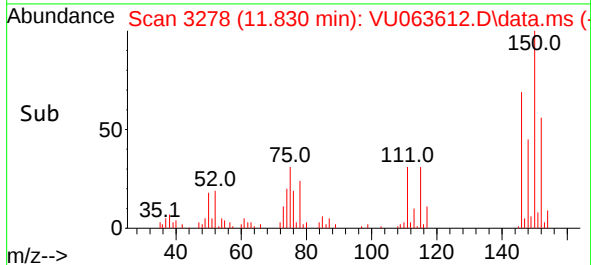
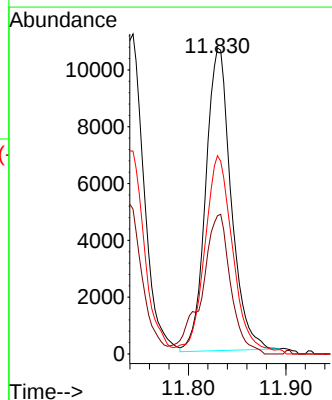
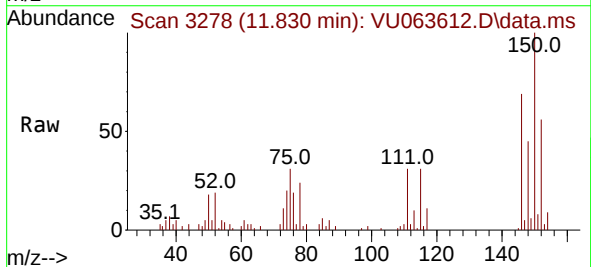
Instrument :
MSVOA_U
ClientSampleId :

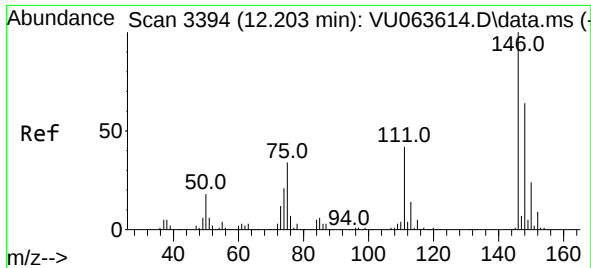
Tgt Ion:146 Resp: 19023
Ion Ratio Lower Upper
146 100
111 45.3 28.6 53.0
148 63.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.315 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion:146 Resp: 19280
Ion Ratio Lower Upper
146 100
111 45.2 27.9 51.9
148 64.8 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 5.293 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

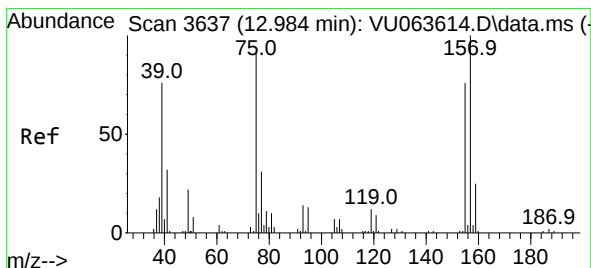
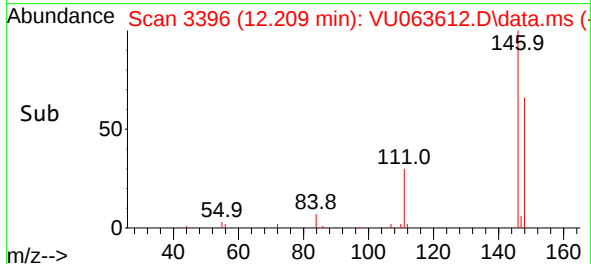
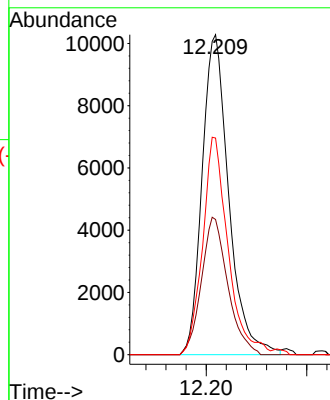
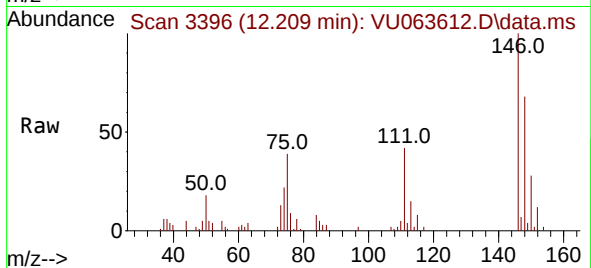
Tgt Ion:146 Resp: 18929

Ion Ratio Lower Upper

146 100

111 42.3 33.6 50.4

148 67.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 3.747 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.013 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

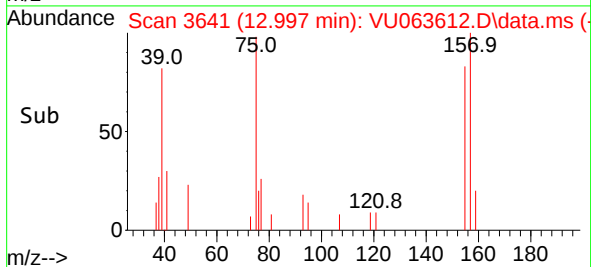
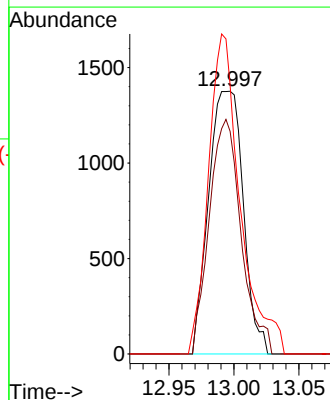
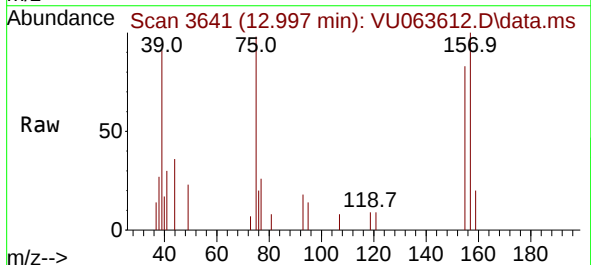
Tgt Ion: 75 Resp: 2548

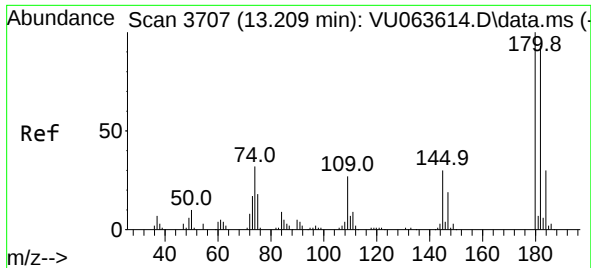
Ion Ratio Lower Upper

75 100

155 84.7 66.6 99.8

157 102.3 87.6 131.4





#69

1,3,5-Trichlorobenzene

Concen: 5.254 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.006 min

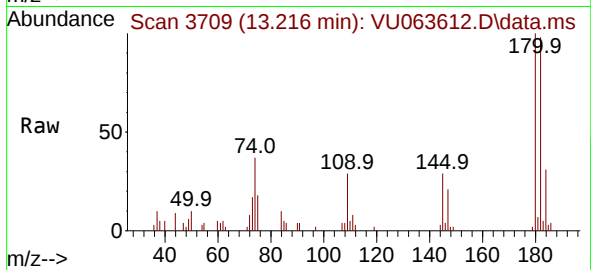
Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 12705

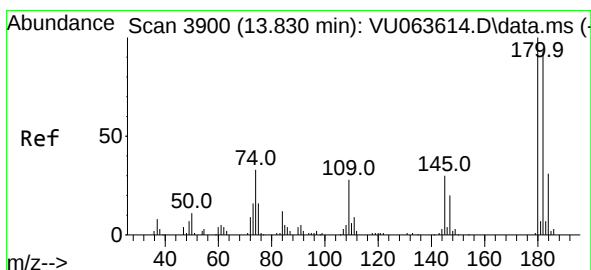
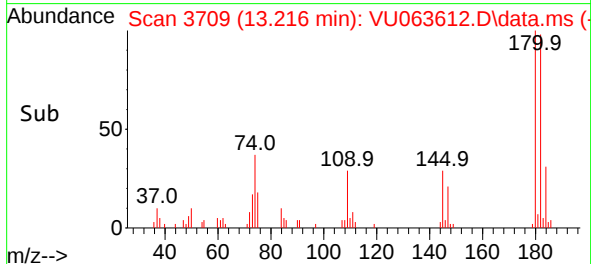
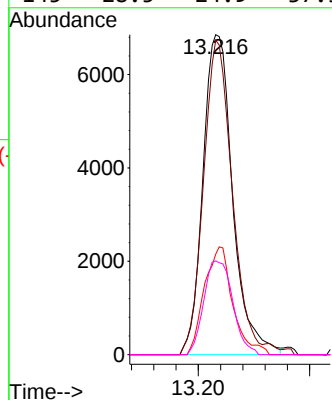
Ion Ratio Lower Upper

180 100

182 94.3 75.9 113.9

184 31.2 24.4 36.6

145 28.5 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 5.055 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.010 min

Lab File: VU063612.D

Acq: 22 Sep 2025 10:09

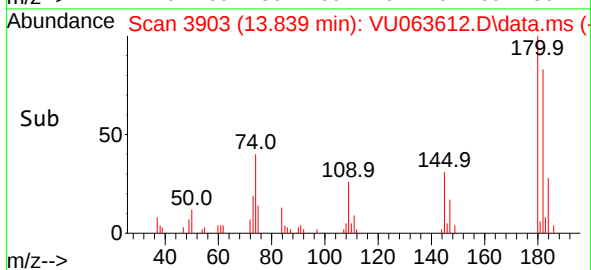
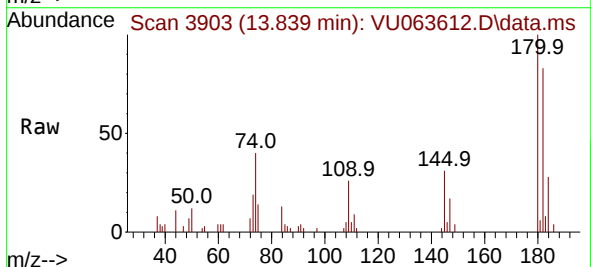
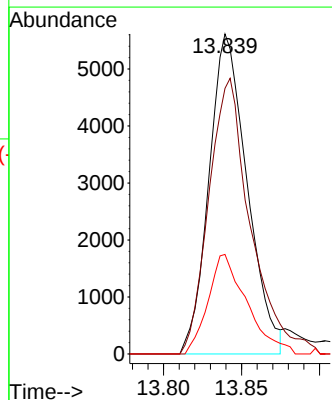
Tgt Ion:180 Resp: 9539

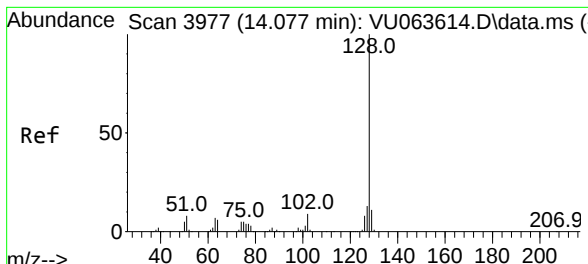
Ion Ratio Lower Upper

180 100

182 94.0 75.4 113.0

145 31.6 24.6 37.0

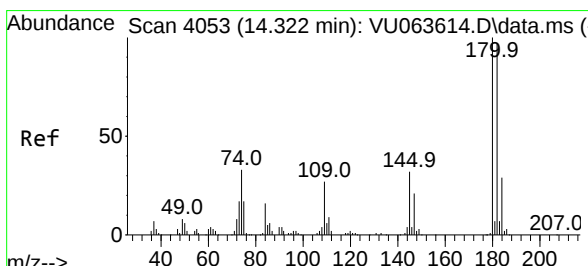
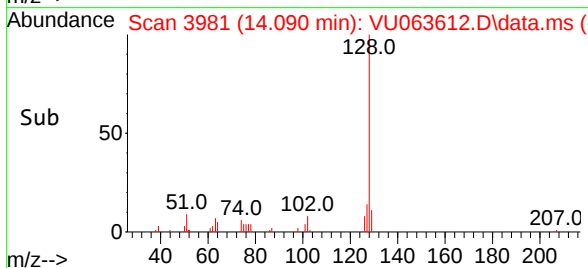
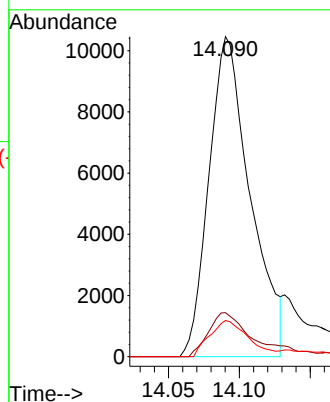
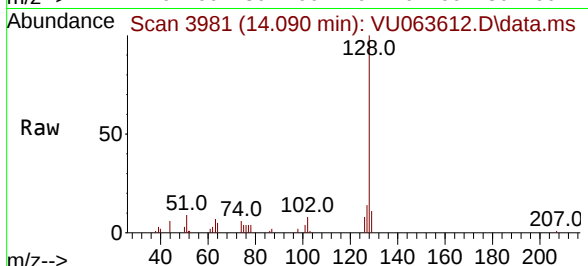




#71
Naphthalene
Concen: 4.161 ug/L
RT: 14.090 min Scan# 3977
Delta R.T. 0.013 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp:	21181
Ion Ratio	Lower	Upper
128	100	
127	14.6	10.2 15.4
129	10.5	8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 5.214 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.006 min
Lab File: VU063612.D
Acq: 22 Sep 2025 10:09

Tgt Ion:180	Resp:	9572
Ion Ratio	Lower	Upper
180	100	
182	93.8	77.4 116.2
145	32.4	25.9 38.9

