

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063615.D
 Acq On : 22 Sep 2025 11:37
 Operator : MD/SY
 Sample : VSTD100
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 23 05:13:54 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	6.238	114	267023	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	264146	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	145503	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	179888	91.316	ug/L	0.00
7) Chloroethane-d5	1.894	69	154922	82.317	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	324432	87.130	ug/L	0.00
21) 2-Butanone-d5	4.608	46	267434	162.251	ug/L	0.00
24) Chloroform-d	5.045	84	351781	85.617	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	227017	89.565	ug/L	0.00
32) Benzene-d6	5.714	84	660203	86.411	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	214855	83.281	ug/L	0.00
41) Toluene-d8	7.888	98	628861	93.233	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	81586	80.698	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	165647	174.235	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	333463	84.074	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	253521	96.922	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	142994	60.498	ug/L	99
3) Chloromethane	1.515	50	180511	66.340	ug/L	100
5) Vinyl chloride	1.599	62	215278	71.702	ug/L	99
6) Bromomethane	1.833	94	132214	76.816	ug/L	99
8) Chloroethane	1.917	64	142814	74.712	ug/L	98
9) Trichlorofluoromethane	2.123	101	312358	84.952	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	176401	81.168	ug/L	98
12) 1,1-Dichloroethene	2.563	96	155899	81.446	ug/L	86
13) Acetone	2.615	43	288124	221.857	ug/L	99
14) Carbon disulfide	2.779	76	412355	67.515	ug/L	100
15) Methyl Acetate	2.936	43	217829	82.252	ug/L	99
16) Methylene chloride	3.029	84	188126	75.908	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	171462	83.432	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	548470	87.802	ug/L	100
19) 1,1-Dichloroethane	3.853	63	339563	78.927	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	201389	85.887	ug/L	94
22) 2-Butanone	4.688	43	345657	182.843	ug/L	100
23) Bromochloromethane	4.959	128	105213	83.692	ug/L	99
25) Chloroform	5.071	83	363849	83.715	ug/L	100
27) 1,2-Dichloroethane	5.778	62	298540	87.045	ug/L	99
29) Cyclohexane	5.370	56	318701	92.790	ug/L	100
30) 1,1,1-Trichloroethane	5.299	97	291673	88.662	ug/L	99
31) Carbon tetrachloride	5.512	117	239283	88.015	ug/L	98
33) Benzene	5.759	78	765990	86.004	ug/L	100
34) Trichloroethene	6.531	95	217160	94.156	ug/L	100
35) Methylcyclohexane	6.750	83	309440	90.464	ug/L	100
37) 1,2-Dichloropropane	6.778	63	210510	80.594	ug/L	100
38) Bromodichloromethane	7.094	83	257542	83.079	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	292534	83.490	ug/L	99
40) 4-Methyl-2-pentanone	7.778	43	610727	184.566	ug/L	100
42) Toluene	7.958	91	847057	90.883	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	247891	76.917	ug/L	99

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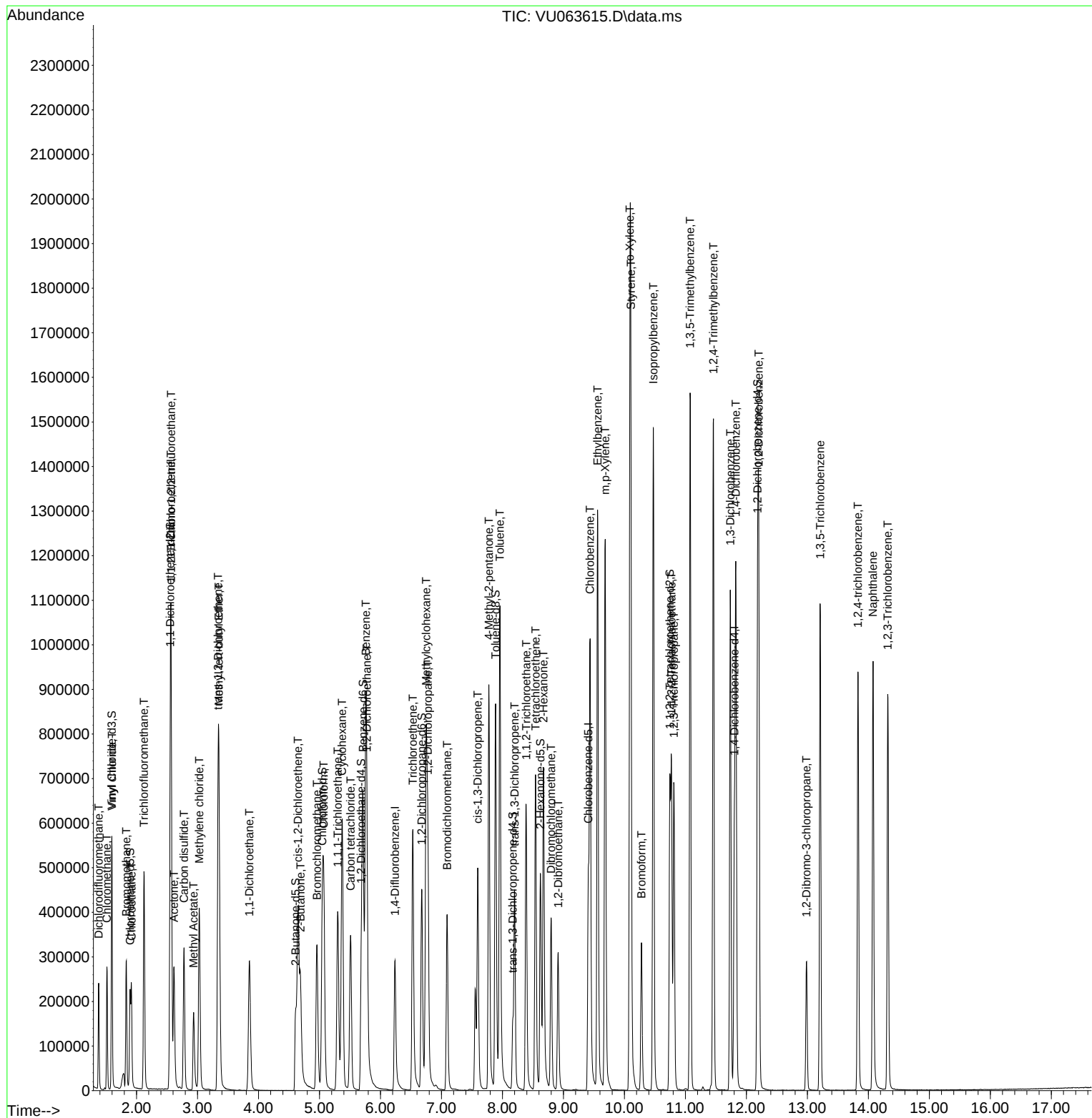
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	202599	83.467	ug/L	98
46) Tetrachloroethene	8.544	164	160394	93.429	ug/L	97
48) 2-Hexanone	8.672	43	482941	190.061	ug/L	99
49) Dibromochloromethane	8.798	129	199402	87.720	ug/L	99
50) 1,2-Dibromoethane	8.913	107	214265	86.357	ug/L	96
51) Chlorobenzene	9.438	112	560181	91.512	ug/L	100
52) Ethylbenzene	9.560	91	955895	96.252	ug/L	99
53) m,p-Xylene	9.685	106	371859	102.126	ug/L	100
54) o-Xylene	10.090	106	365006	103.743	ug/L	92
55) Styrene	10.106	104	607510	102.198	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	349580	81.533	ug/L	99
59) Bromoform	10.280	173	146038	79.072	ug/L	98
60) 1,2,3-Trichloropropane	10.810	75	283237	82.723	ug/L	99
61) Isopropylbenzene	10.476	105	967603	100.472	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	830390	109.558	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	816898	113.460	ug/L	100
64) 1,3-Dichlorobenzene	11.736	146	448420	94.962	ug/L	100
65) 1,4-Dichlorobenzene	11.826	146	457850	94.608	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	441202	92.472	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	72773	80.203	ug/L	95
69) 1,3,5-Trichlorobenzene	13.209	180	328087	101.681	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	282615	112.250	ug/L	100
71) Naphthalene	14.077	128	790785	116.433	ug/L	100
72) 1,2,3-Trichlorobenzene	14.318	180	266312	108.732	ug/L	99

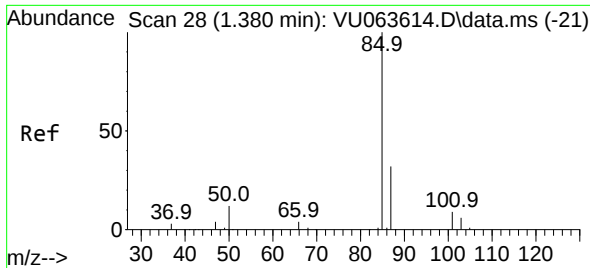
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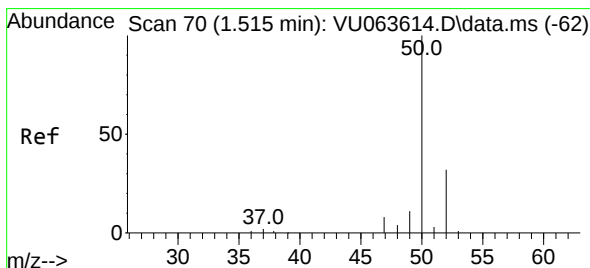
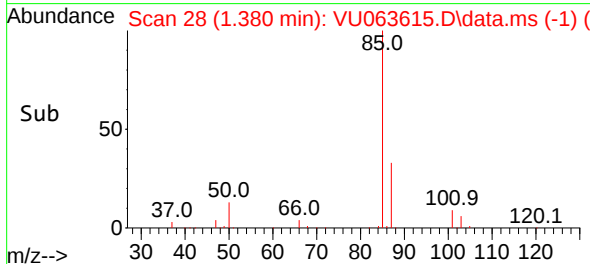
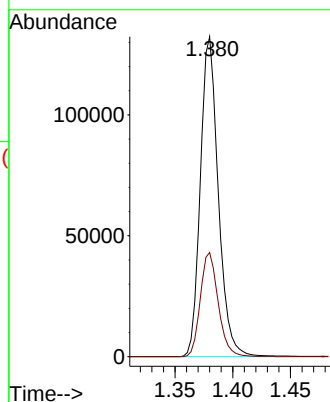
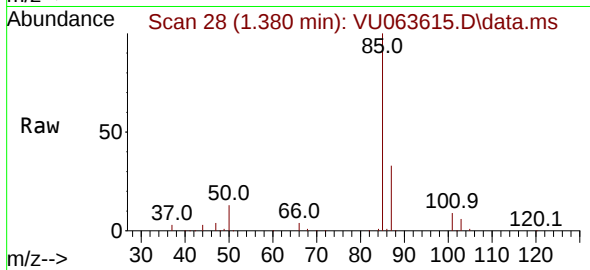




#2
 Dichlorodifluoromethane
 Concen: 60.498 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063615.D
 Acq: 22 Sep 2025 11:37

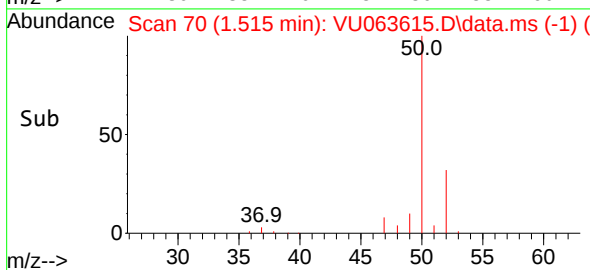
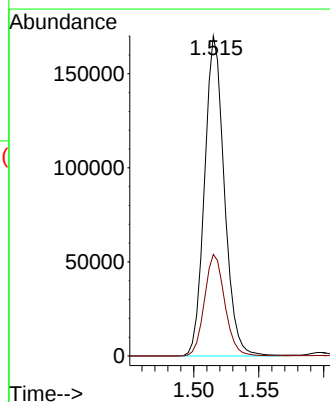
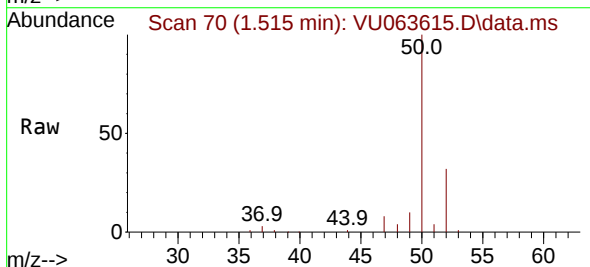
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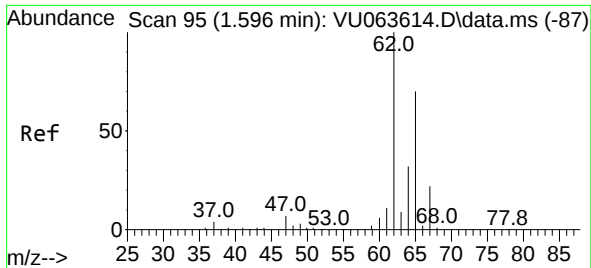
Tgt Ion: 85 Resp: 142994
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.5 38.3



#3
 Chloromethane
 Concen: 66.340 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU063615.D
 Acq: 22 Sep 2025 11:37

Tgt Ion: 50 Resp: 180511
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.2 41.2

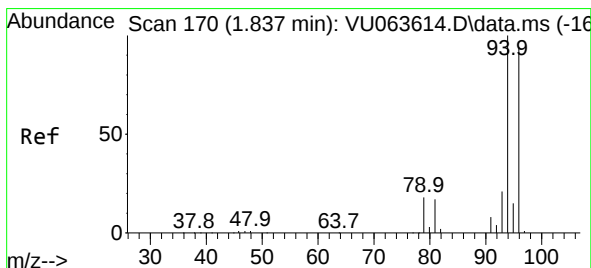
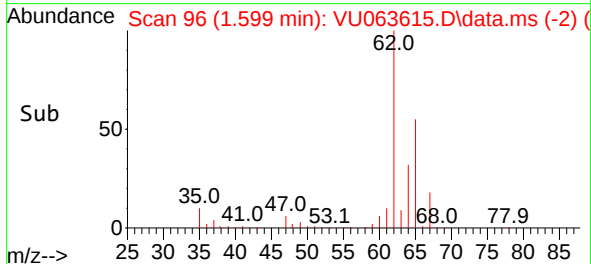
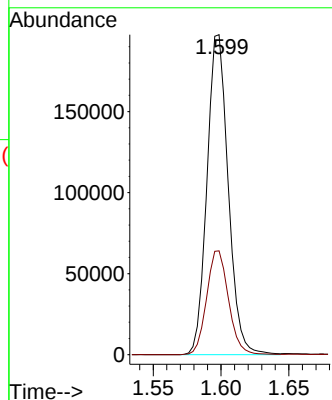
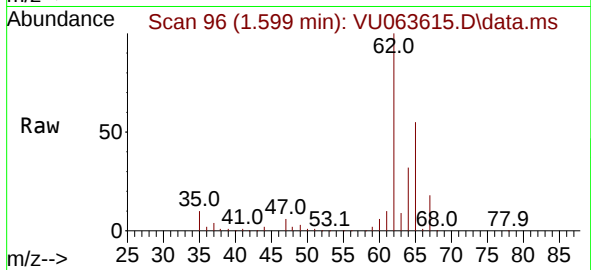




#5
 Vinyl chloride
 Concen: 71.702 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VU063615.D
 Acq: 22 Sep 2025 11:37

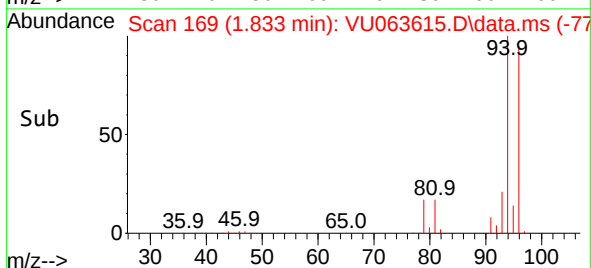
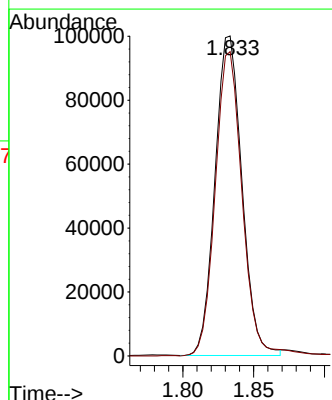
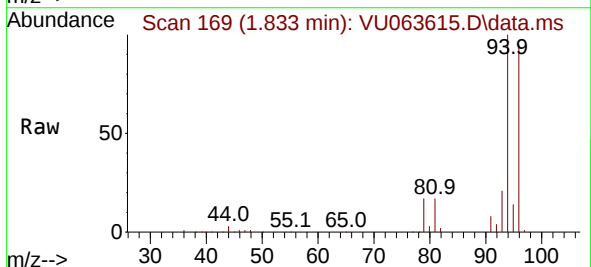
Instrument :
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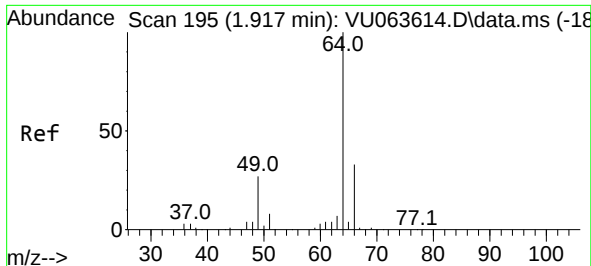
Tgt Ion: 62 Resp: 215278
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.5 41.7



#6
 Bromomethane
 Concen: 76.816 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.003 min
 Lab File: VU063615.D
 Acq: 22 Sep 2025 11:37

Tgt Ion: 94 Resp: 132214
 Ion Ratio Lower Upper
 94 100
 96 95.1 65.7 122.1

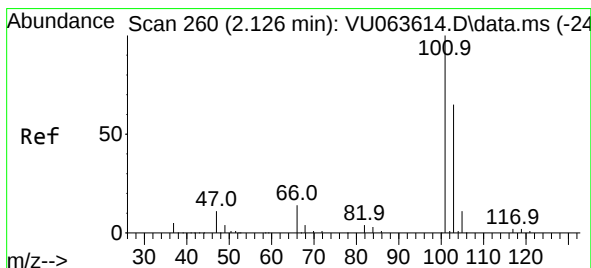
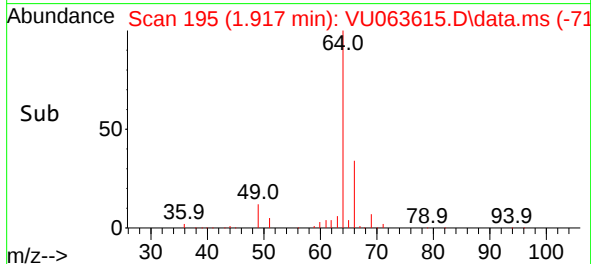
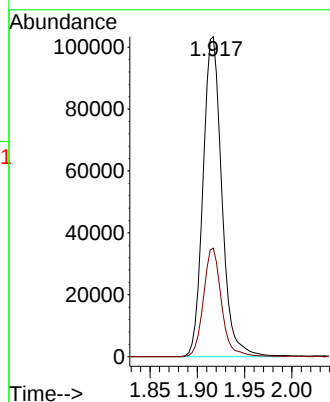
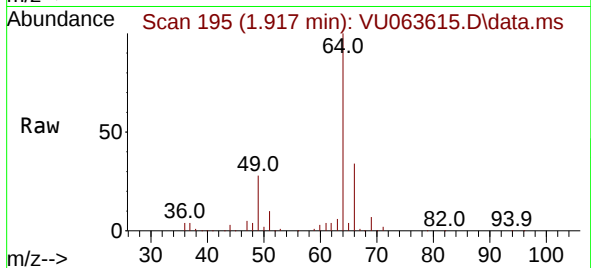




#8
Chloroethane
Concen: 74.712 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

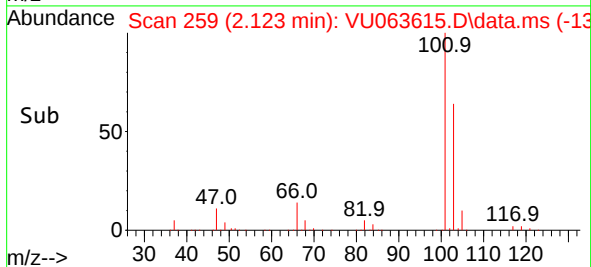
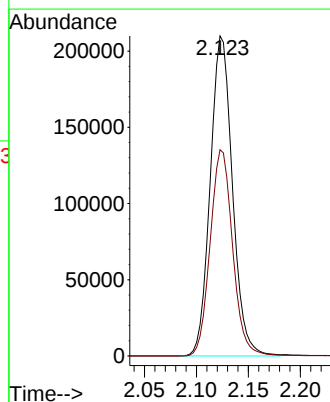
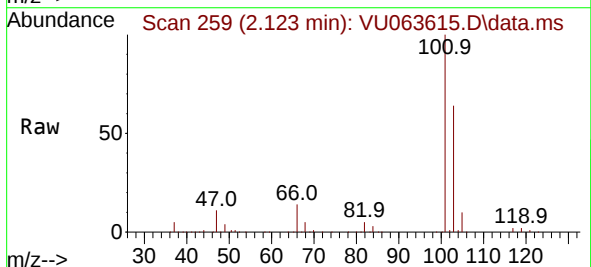
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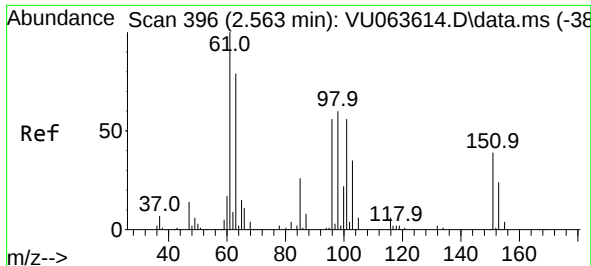
Tgt Ion: 64 Resp: 142814
Ion Ratio Lower Upper
64 100
66 33.9 22.8 42.4



#9
Trichlorofluoromethane
Concen: 84.952 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion:101 Resp: 312358
Ion Ratio Lower Upper
101 100
103 65.0 51.1 76.7

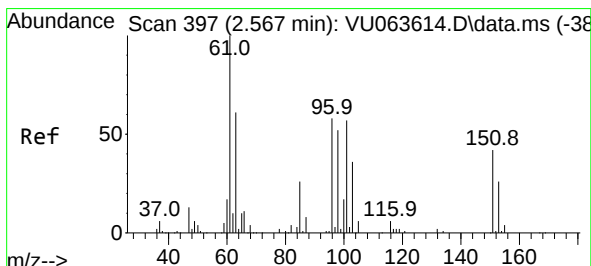
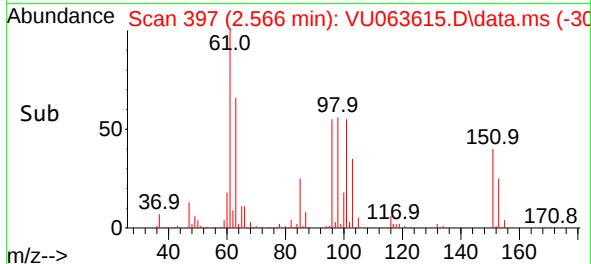
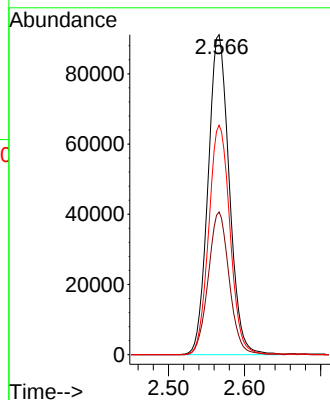
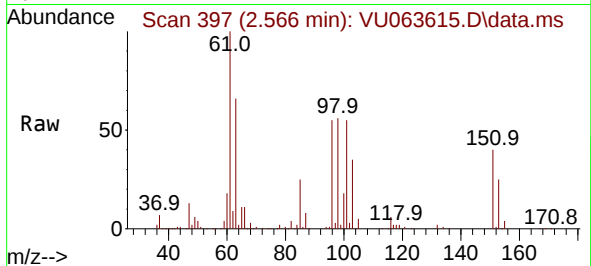




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 81.168 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. 0.003 min
 Lab File: VU063615.D
 Acq: 22 Sep 2025 11:37

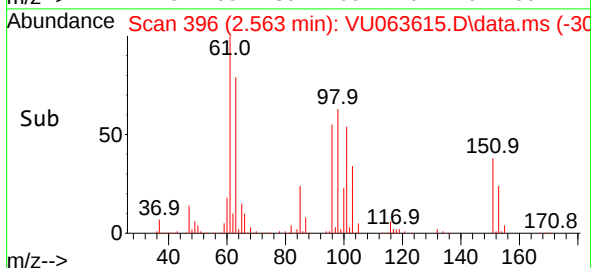
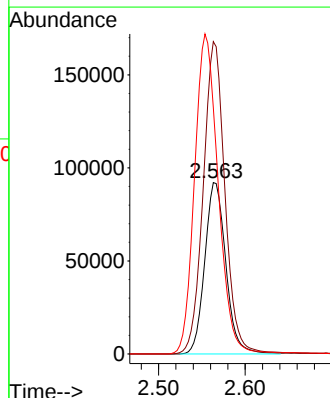
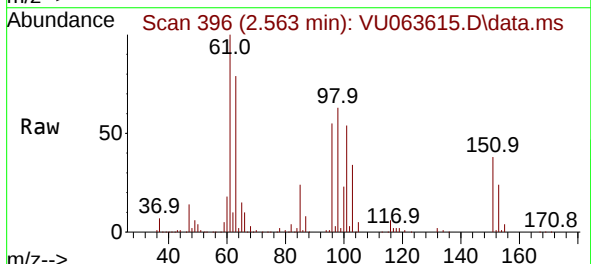
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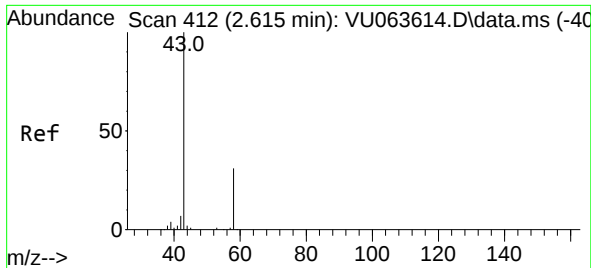
Tgt Ion:101 Resp: 176401
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.8 55.2
 151 71.9 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 81.446 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063615.D
 Acq: 22 Sep 2025 11:37

Tgt Ion: 96 Resp: 155899
 Ion Ratio Lower Upper
 96 100
 61 182.3 121.4 225.4
 63 143.8 81.5 151.3





#13

Acetone

Concen: 221.857 ug/L

RT: 2.615 min Scan# 412

Delta R.T. -0.000 min

Lab File: VU063615.D

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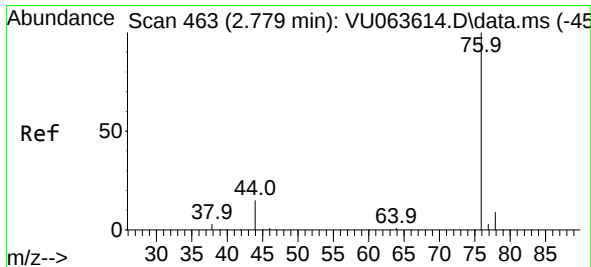
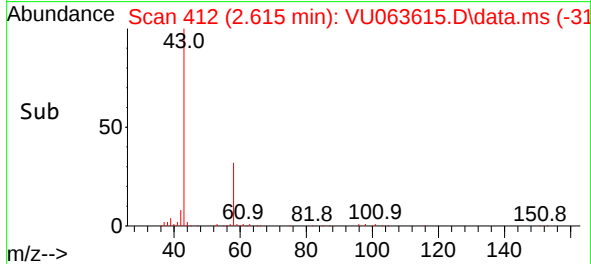
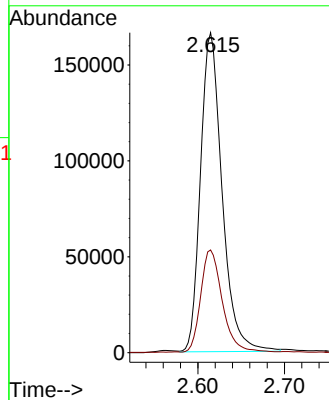
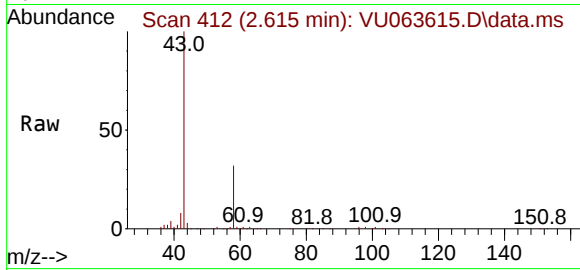
ClientSampleId :

Tgt Ion: 43 Resp: 288124

Ion Ratio Lower Upper

43 100

58 32.0 0.0 62.4



#14

Carbon disulfide

Concen: 67.515 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063615.D

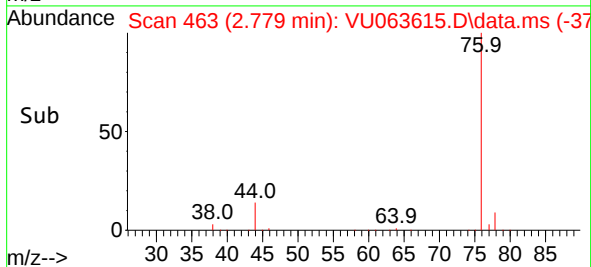
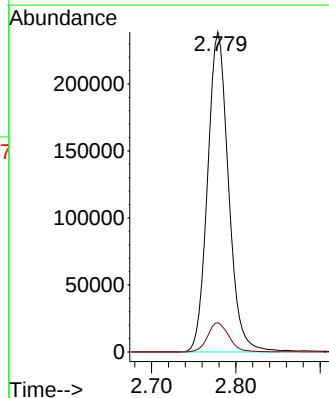
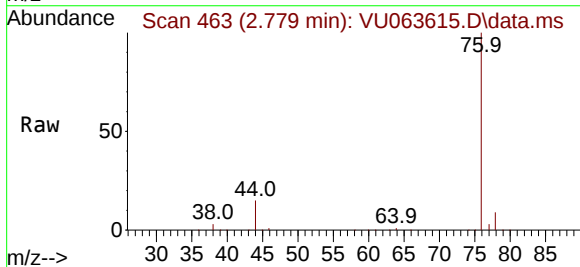
Acq: 22 Sep 2025 11:37

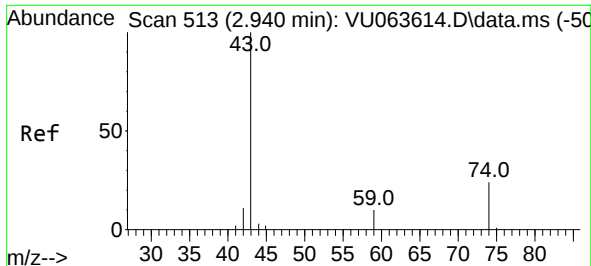
Tgt Ion: 76 Resp: 412355

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

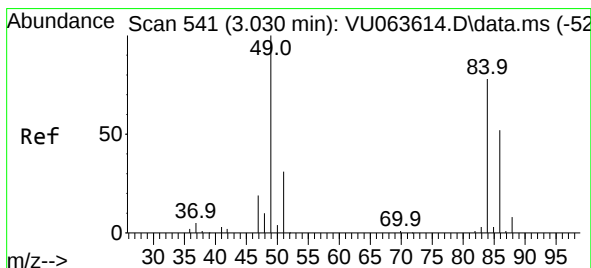
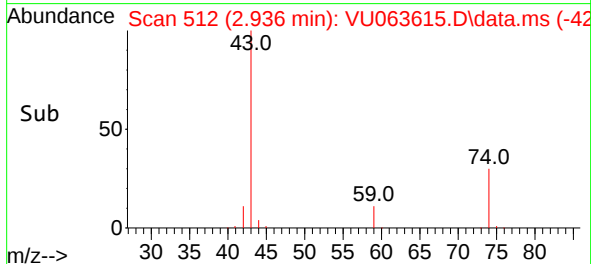
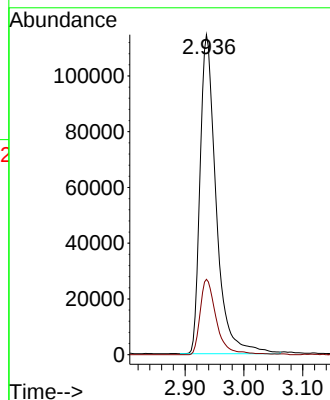
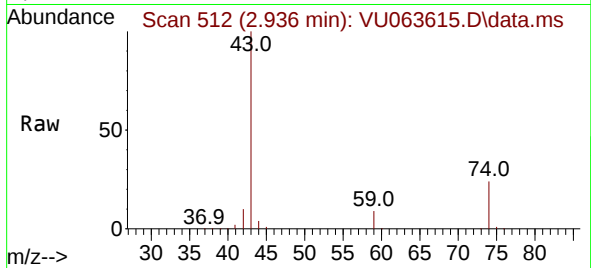




#15
Methyl Acetate
Concen: 82.252 ug/L
RT: 2.936 min Scan# 513
Delta R.T. -0.003 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

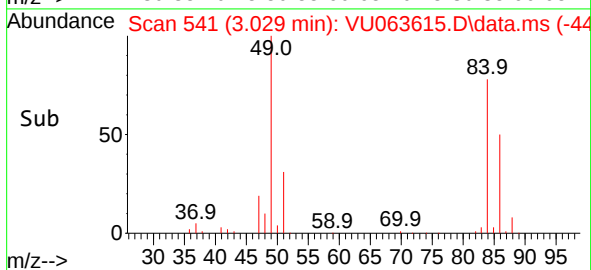
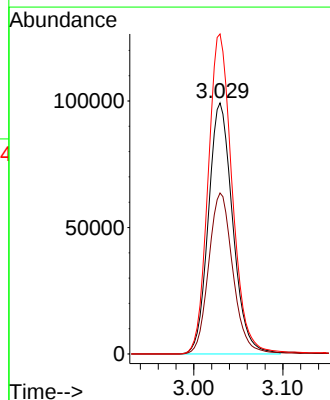
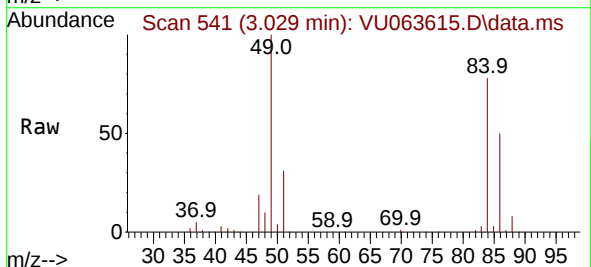
Instrument :
MSVOA_U
ClientSampleId :

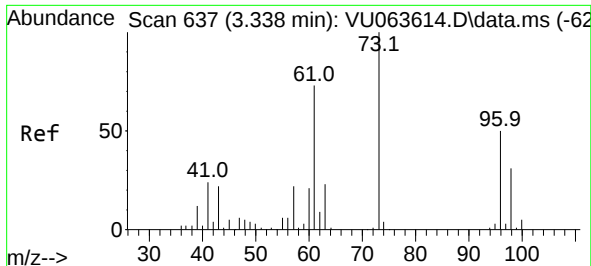
Tgt Ion: 43 Resp: 217829
Ion Ratio Lower Upper
43 100
74 23.0 18.0 27.0



#16
Methylene chloride
Concen: 75.908 ug/L
RT: 3.029 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

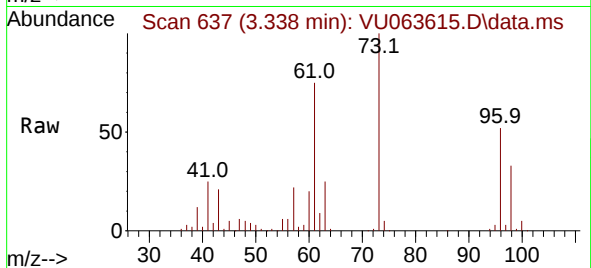
Tgt Ion: 84 Resp: 188126
Ion Ratio Lower Upper
84 100
86 64.2 47.2 87.6
49 127.5 90.2 167.4





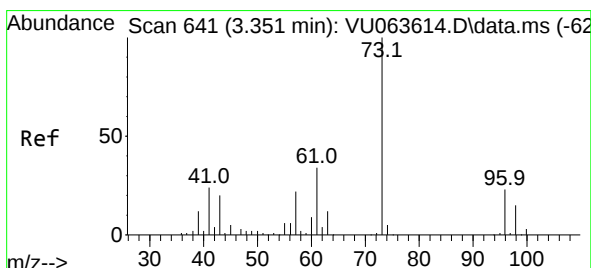
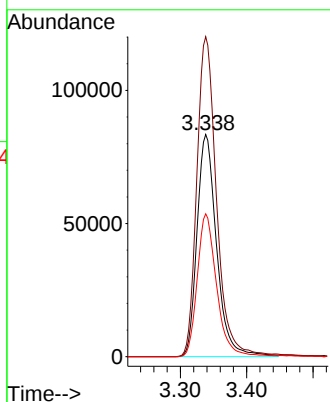
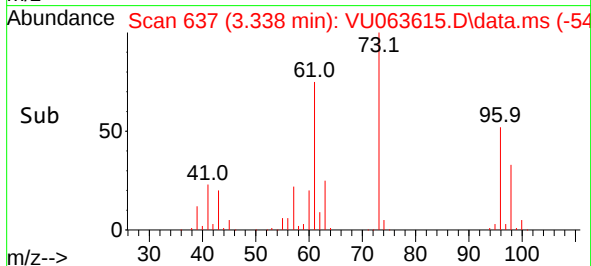
#17
trans-1,2-Dichloroethene
Concen: 83.432 ug/L
RT: 3.338 min Scan# 617
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :

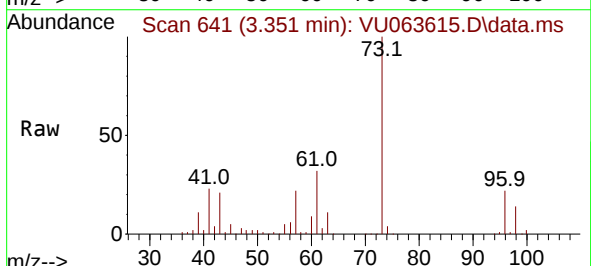


Tgt Ion: 96 Resp: 171462

Ion	Ratio	Lower	Upper
96	100		
61	144.0	102.2	189.8
98	64.3	43.7	81.1

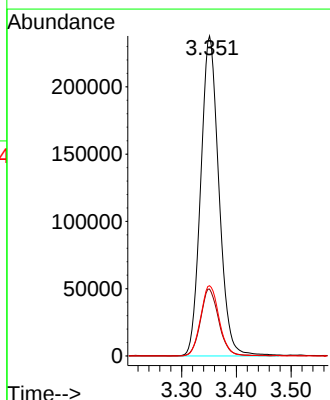
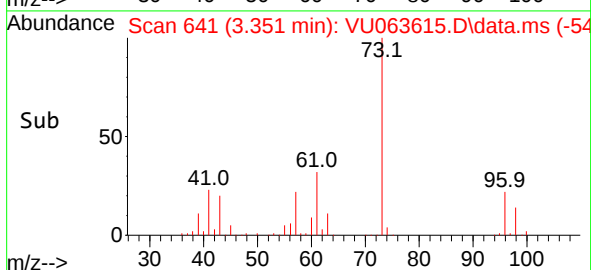


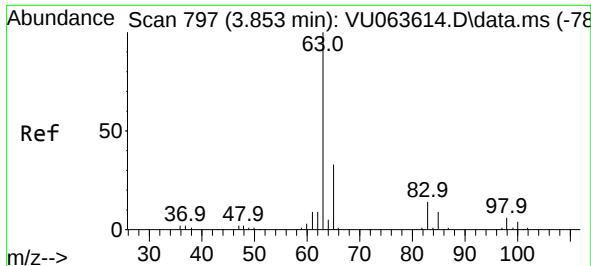
#18
Methyl tert-butyl Ether
Concen: 87.802 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37



Tgt Ion: 73 Resp: 548470

Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.5	24.7
57	22.3	17.8	26.6

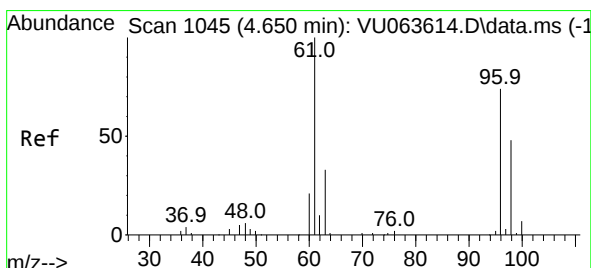
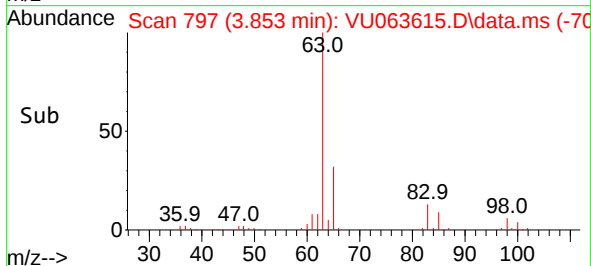
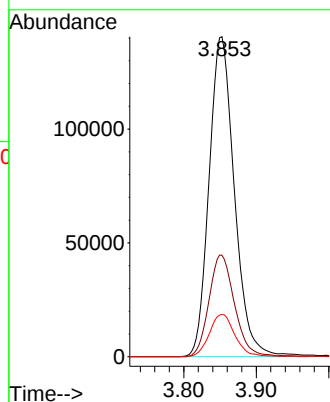
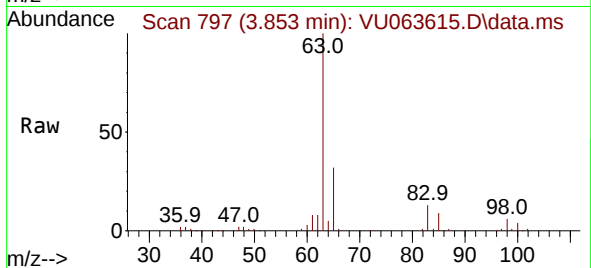




#19
1,1-Dichloroethane
Concen: 78.927 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

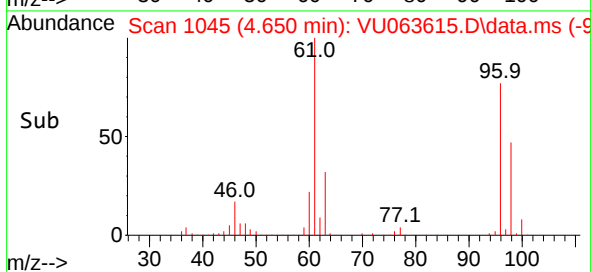
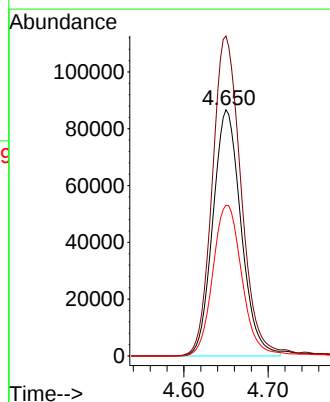
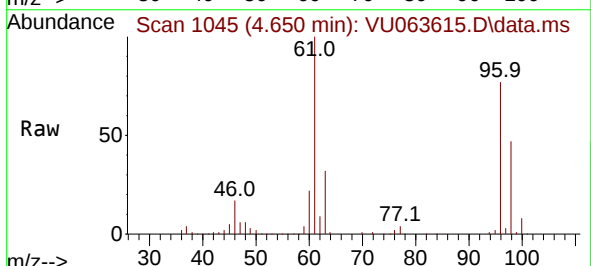
Instrument :
MSVOA_U
ClientSampleId :

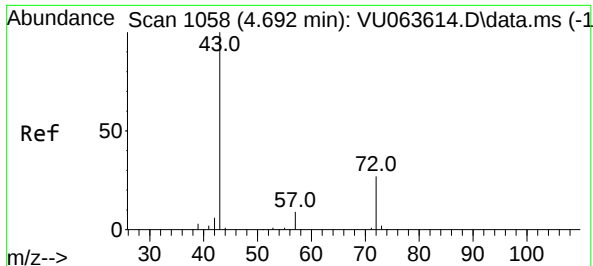
Tgt Ion: 63 Resp: 339563
Ion Ratio Lower Upper
63 100
65 31.7 23.0 42.8
83 13.2 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 85.887 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion: 96 Resp: 201389
Ion Ratio Lower Upper
96 100
61 130.0 95.5 177.3
98 61.2 46.1 85.7

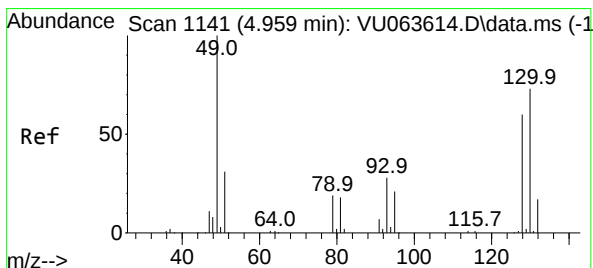
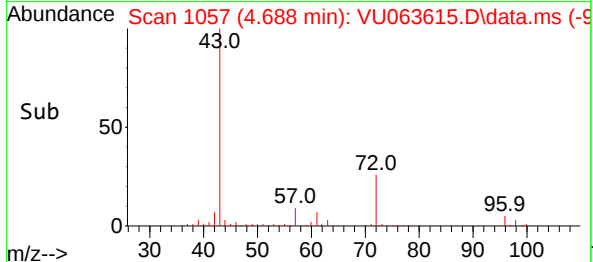
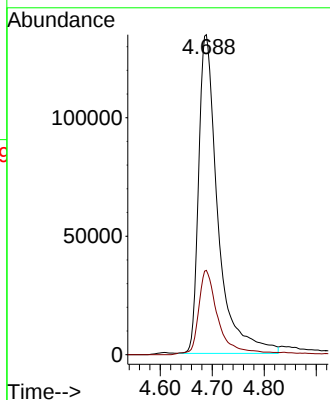
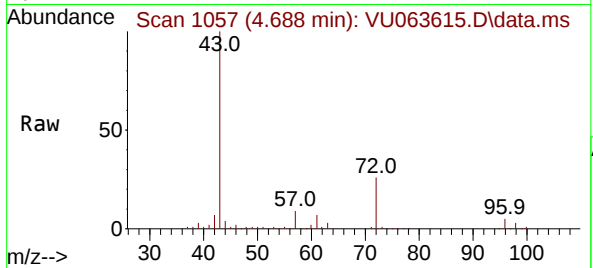




#22
2-Butanone
Concen: 182.843 ug/L
RT: 4.688 min Scan# 1057
Delta R.T. -0.003 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

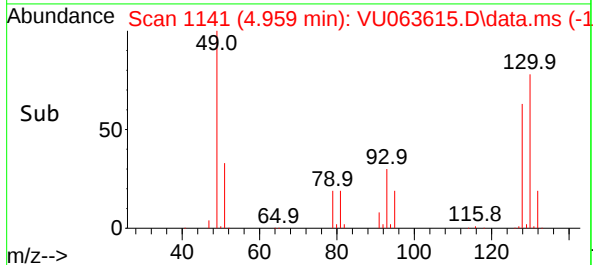
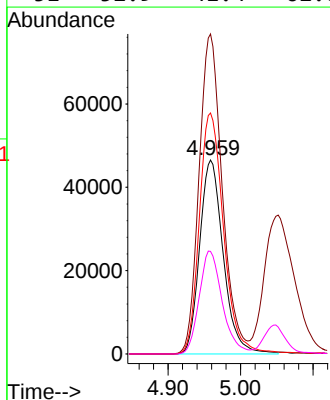
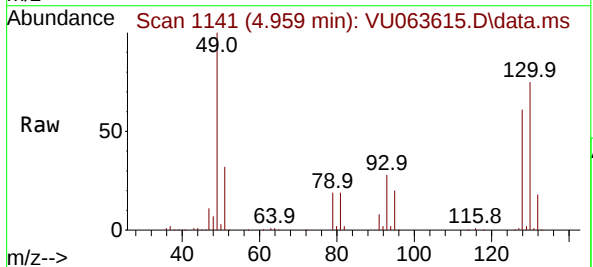
Instrument :
MSVOA_U
ClientSampleId :

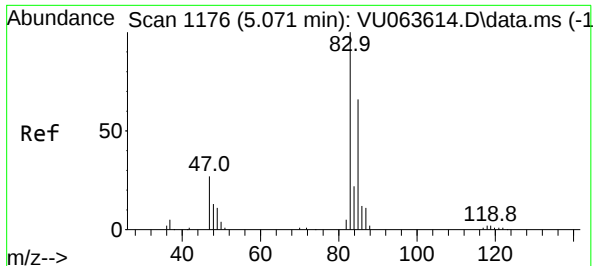
Tgt Ion: 43 Resp: 345657
Ion Ratio Lower Upper
43 100
72 25.6 12.7 38.1



#23
Bromochloromethane
Concen: 83.692 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion:128 Resp: 105213
Ion Ratio Lower Upper
128 100
49 165.1 116.6 216.5
130 124.3 85.6 159.0
51 52.9 41.4 62.0





#25

Chloroform

Concen: 83.715 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

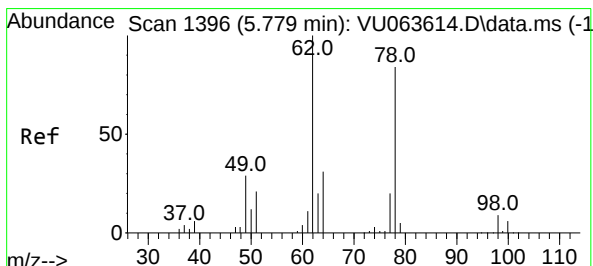
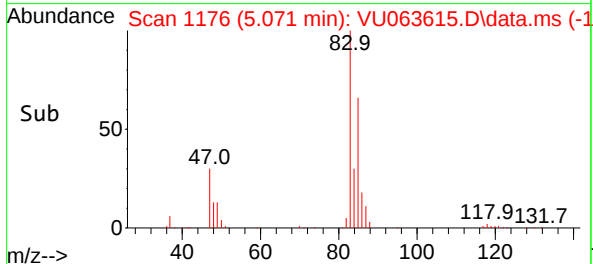
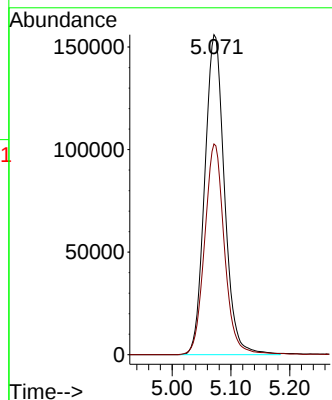
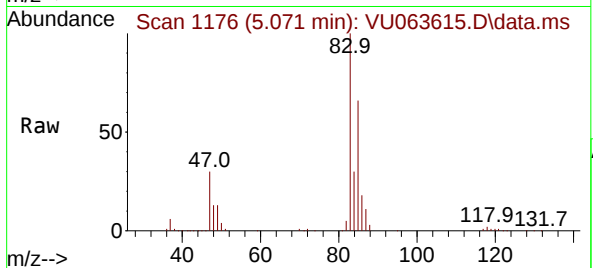
ClientSampleId :

Tgt Ion: 83 Resp: 363849

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 87.045 ug/L

RT: 5.778 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VU063615.D

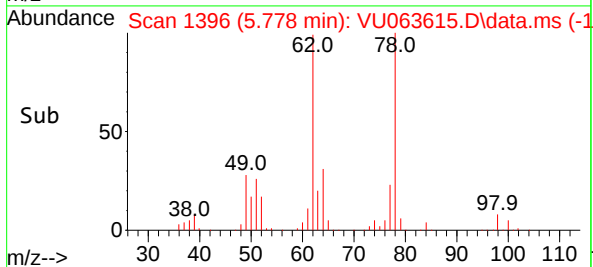
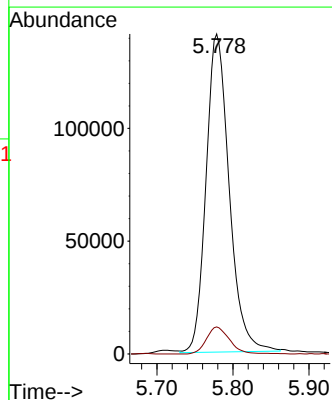
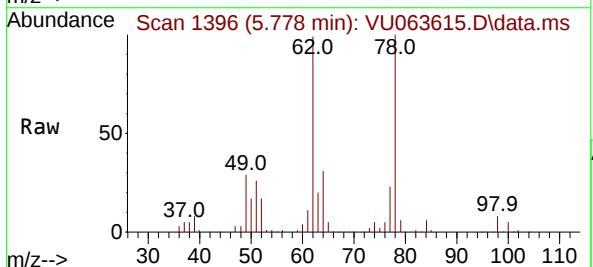
Acq: 22 Sep 2025 11:37

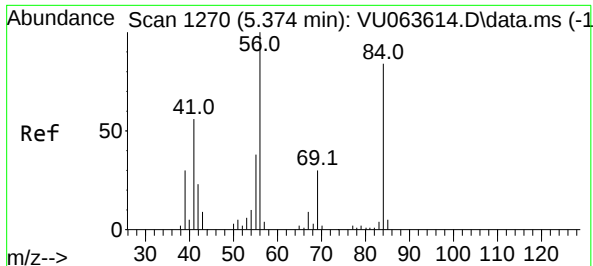
Tgt Ion: 62 Resp: 298540

Ion Ratio Lower Upper

62 100

98 8.4 7.1 10.7





#29

Cyclohexane

Concen: 92.790 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

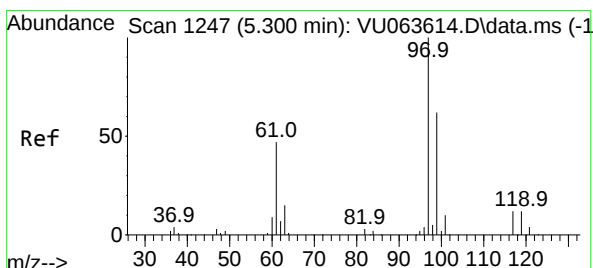
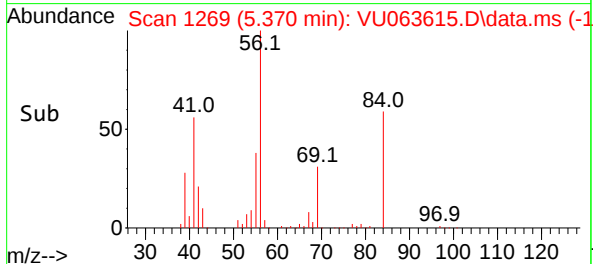
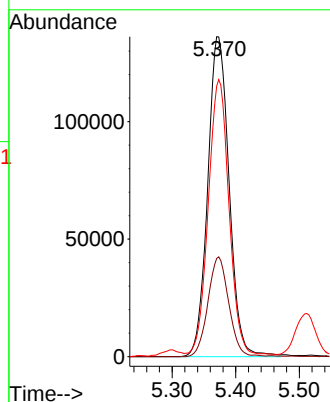
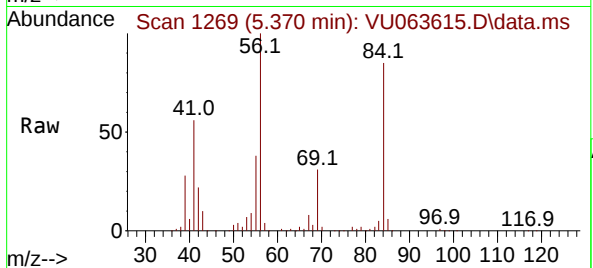
Tgt Ion: 56 Resp: 318701

Ion Ratio Lower Upper

56 100

69 30.1 24.0 36.0

84 82.2 65.7 98.5



#30

1,1,1-Trichloroethane

Concen: 88.662 ug/L

RT: 5.299 min Scan# 1247

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

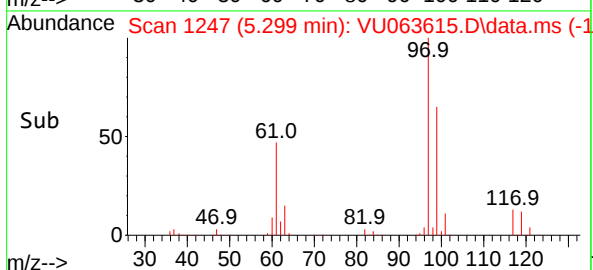
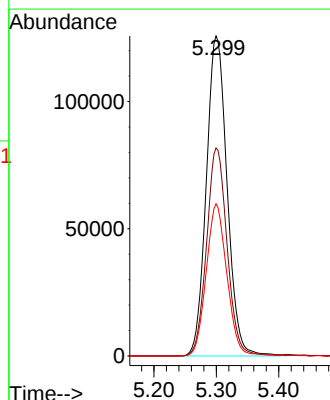
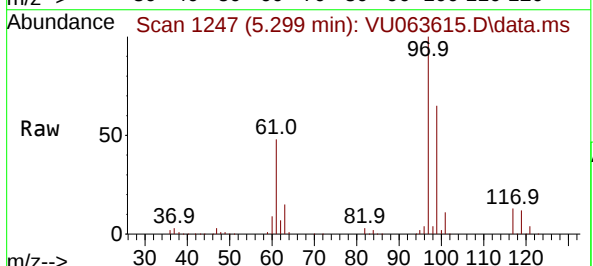
Tgt Ion: 97 Resp: 291673

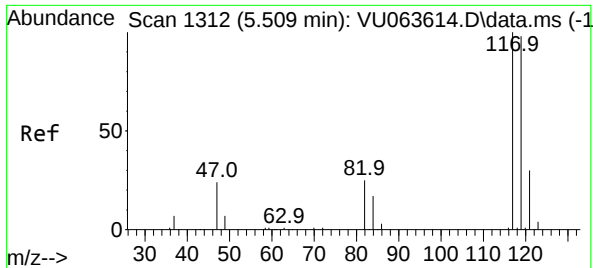
Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

61 46.9 38.0 57.0

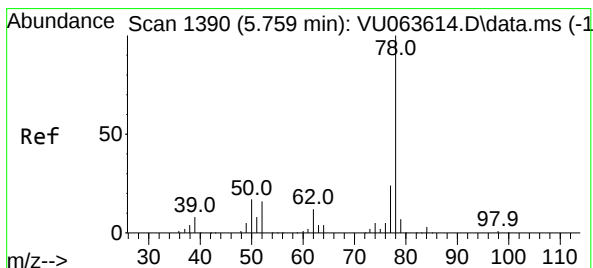
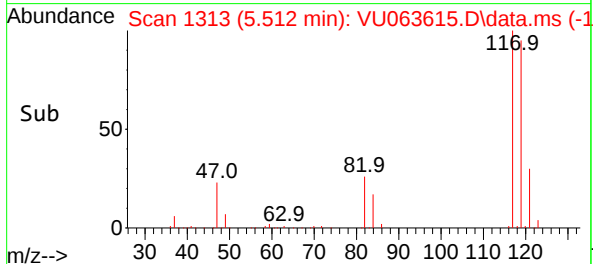
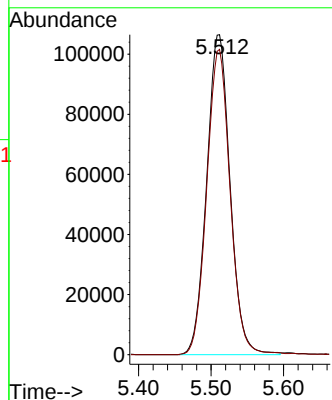
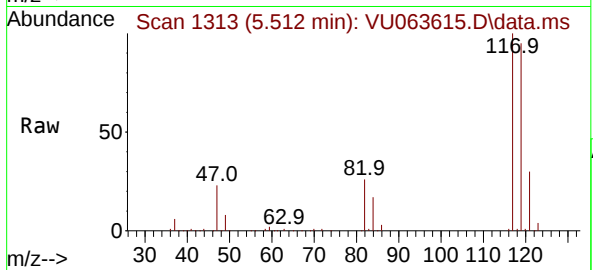




#31
Carbon tetrachloride
Concen: 88.015 ug/L
RT: 5.512 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

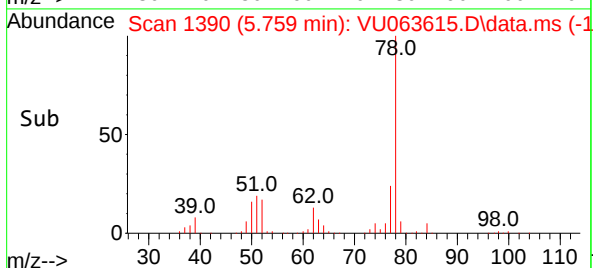
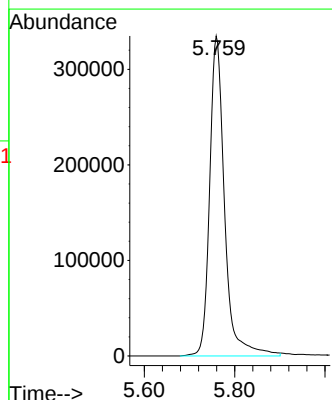
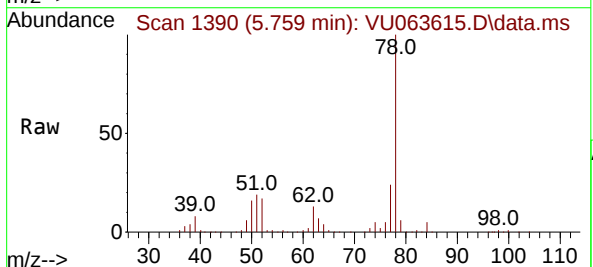
Instrument :
MSVOA_U
ClientSampleId :

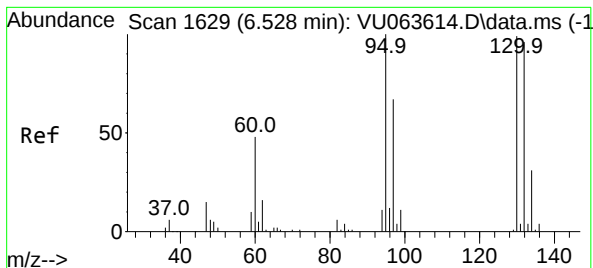
Tgt Ion:117 Resp: 239283
Ion Ratio Lower Upper
117 100
119 95.0 77.8 116.6



#33
Benzene
Concen: 86.004 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion: 78 Resp: 765990





#34

Trichloroethene

Concen: 94.156 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 217160

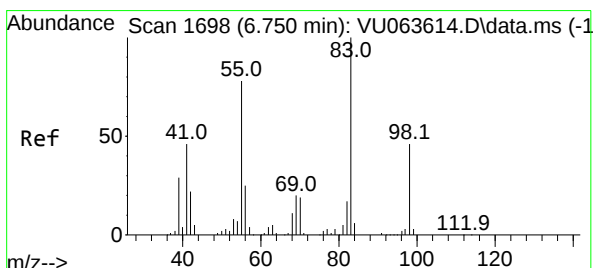
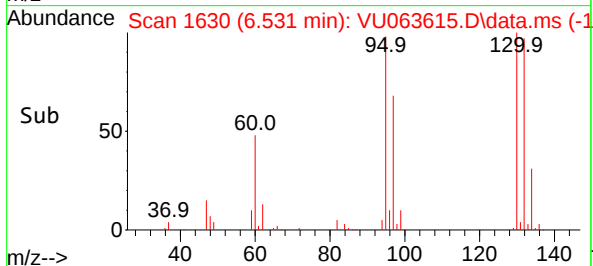
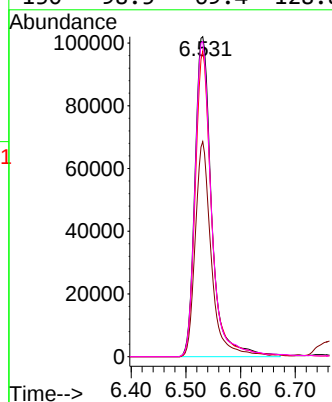
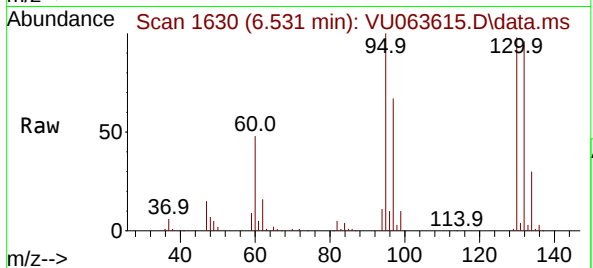
Ion Ratio Lower Upper

95 100

97 67.2 46.6 86.6

132 95.5 66.8 124.2

130 98.5 69.4 128.8



#35

Methylcyclohexane

Concen: 90.464 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

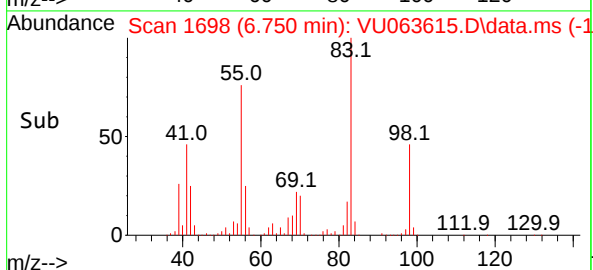
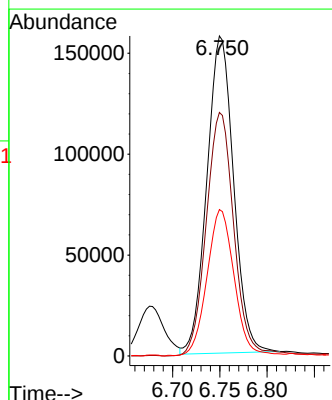
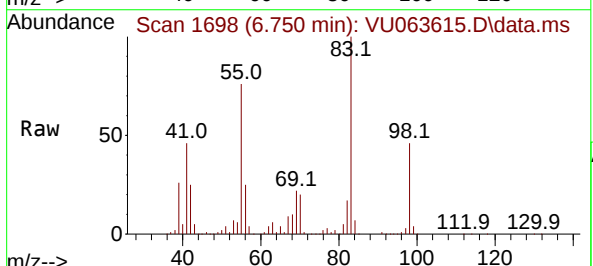
Tgt Ion: 83 Resp: 309440

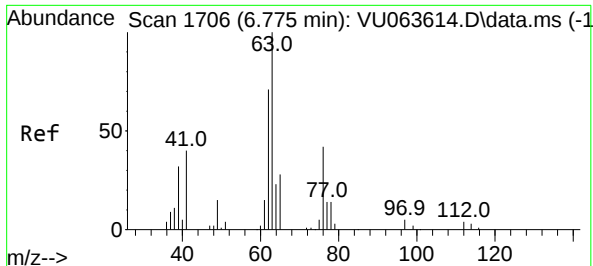
Ion Ratio Lower Upper

83 100

55 79.5 63.4 95.0

98 46.6 37.3 55.9





#37

1,2-Dichloropropane

Concen: 80.594 ug/L

RT: 6.778 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

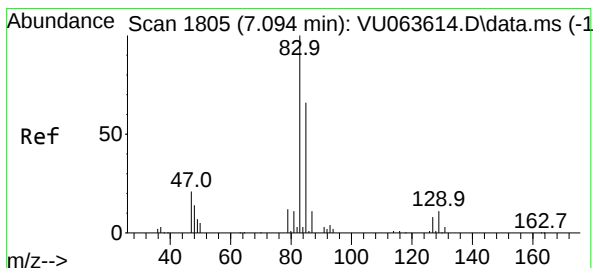
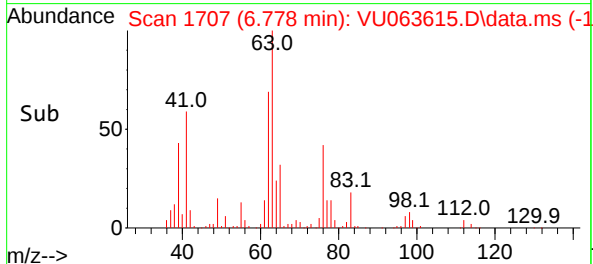
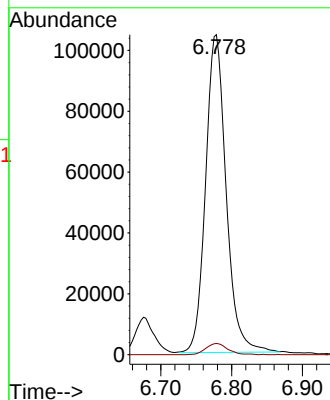
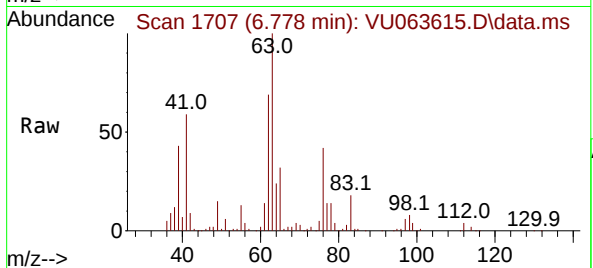
ClientSampleId :

Tgt Ion: 63 Resp: 210510

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 83.079 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

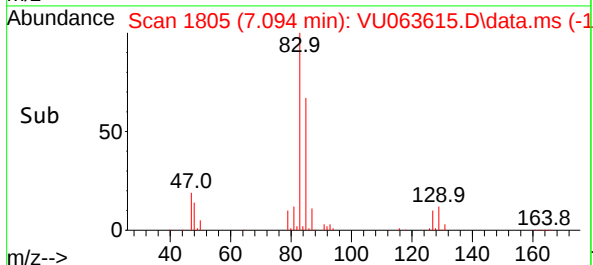
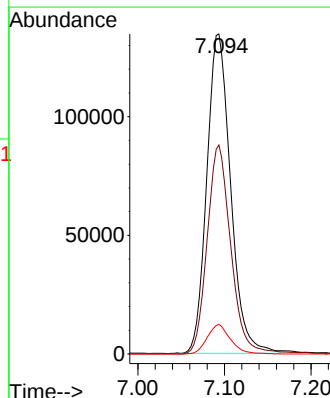
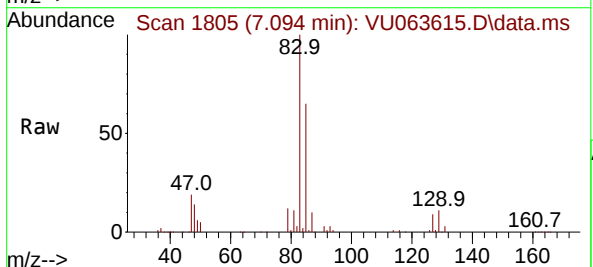
Tgt Ion: 83 Resp: 257542

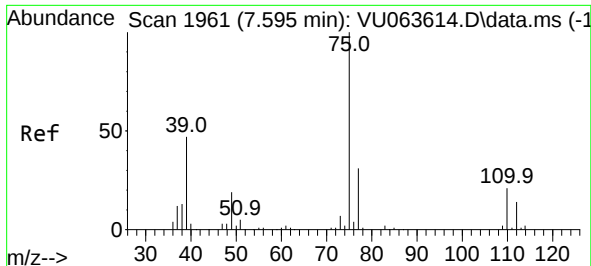
Ion Ratio Lower Upper

83 100

85 65.3 45.9 85.3

127 9.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 83.490 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

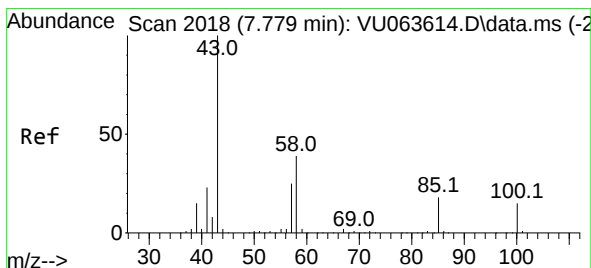
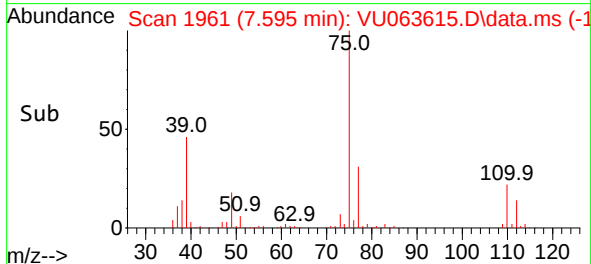
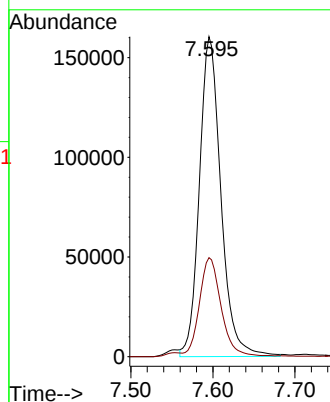
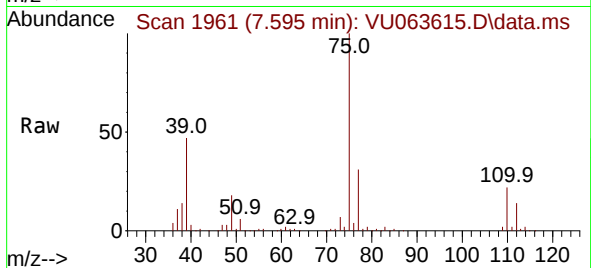
ClientSampleId :

Tgt Ion: 75 Resp: 292534

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 184.566 ug/L

RT: 7.778 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

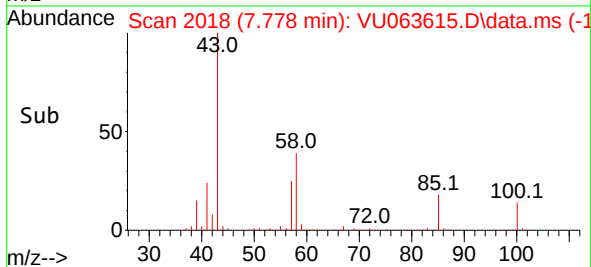
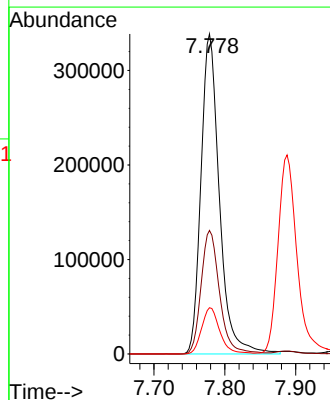
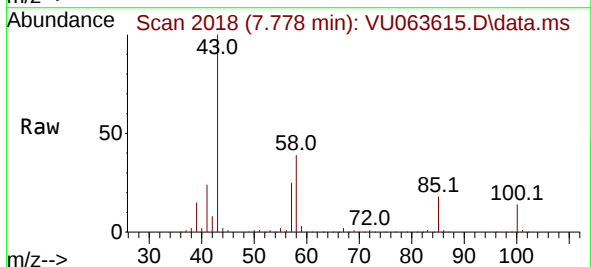
Tgt Ion: 43 Resp: 610727

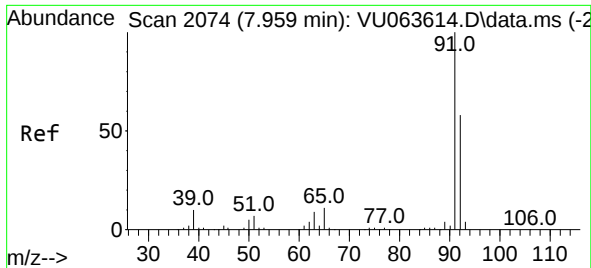
Ion Ratio Lower Upper

43 100

58 38.8 30.9 46.3

100 14.3 11.4 17.2





#42

Toluene

Concen: 90.883 ug/L

RT: 7.958 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

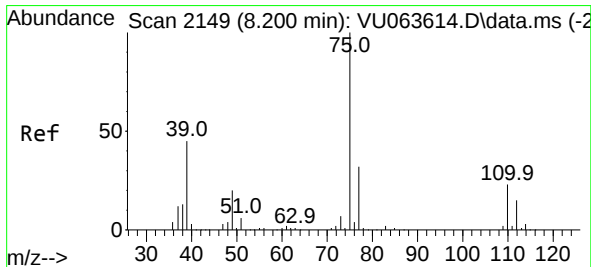
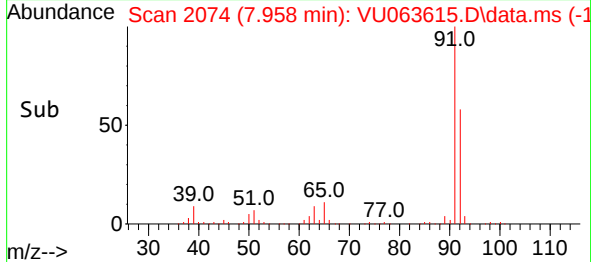
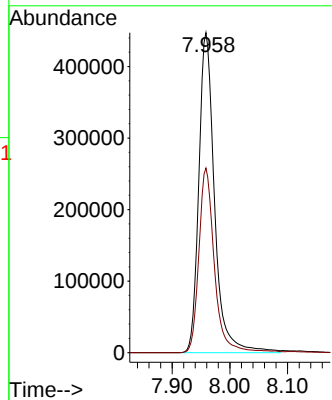
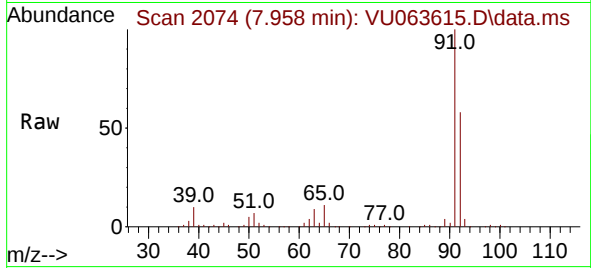
ClientSampleId :

Tgt Ion: 91 Resp: 847057

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 76.917 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063615.D

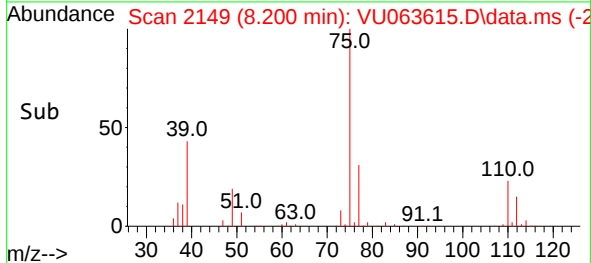
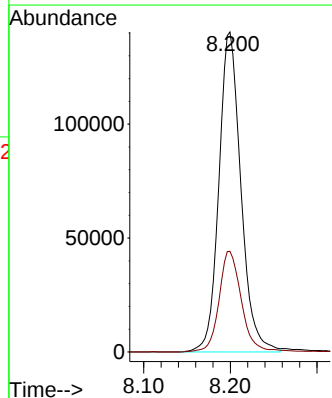
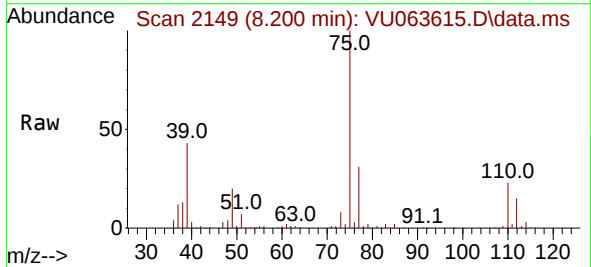
Acq: 22 Sep 2025 11:37

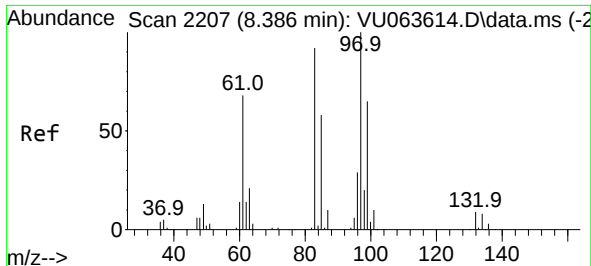
Tgt Ion: 75 Resp: 247891

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 83.467 ug/L

RT: 8.389 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 202599

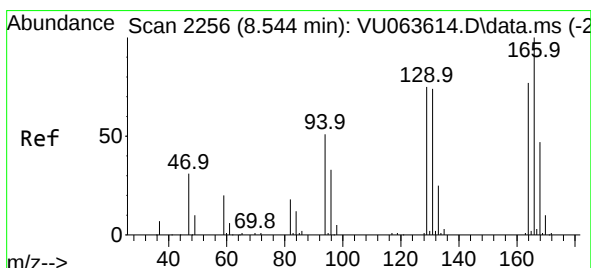
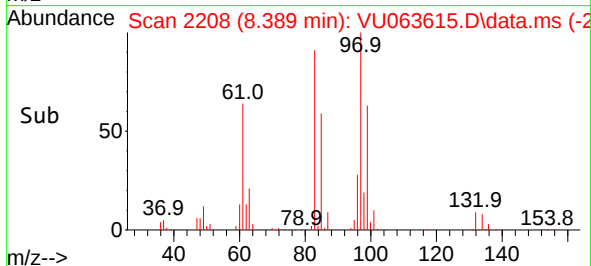
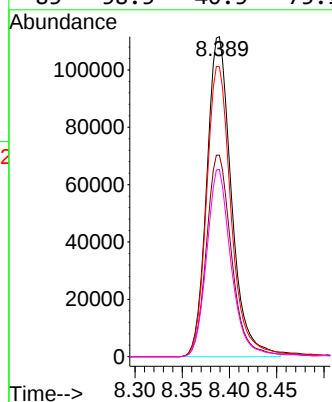
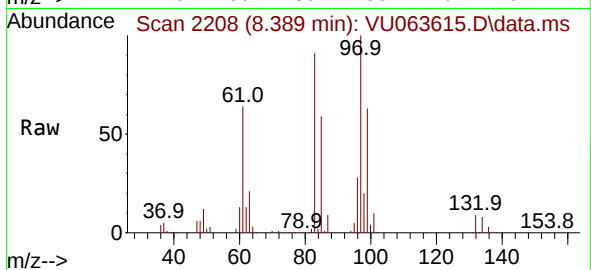
Ion Ratio Lower Upper

97 100

99 63.0 45.8 85.0

83 90.6 64.4 119.6

85 58.5 40.5 75.1



#46

Tetrachloroethene

Concen: 93.429 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Tgt Ion:164 Resp: 160394

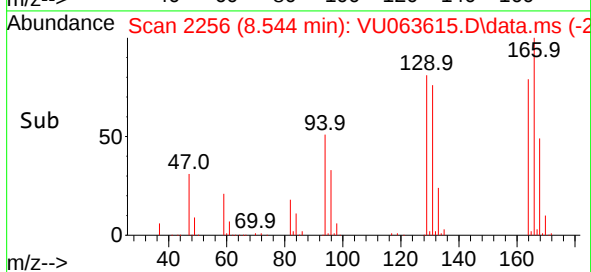
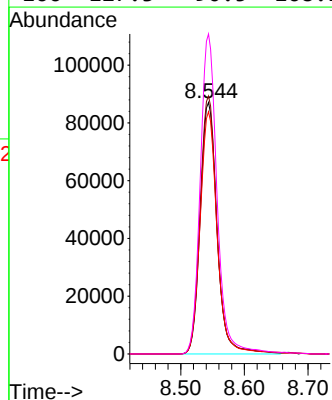
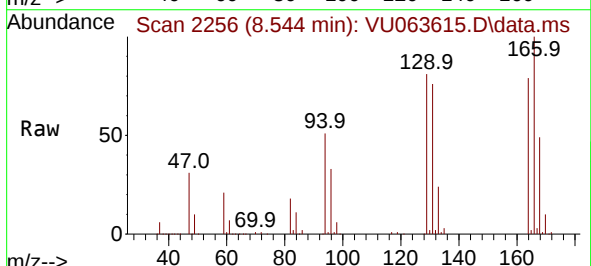
Ion Ratio Lower Upper

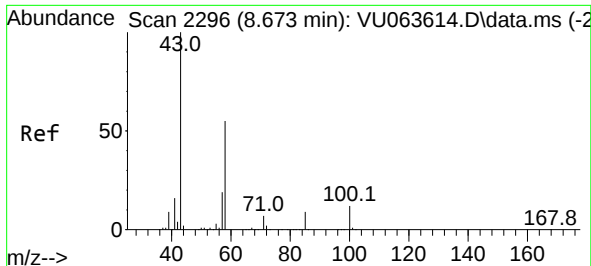
164 100

129 102.6 67.5 125.3

131 96.3 67.0 124.4

166 127.3 90.5 168.1

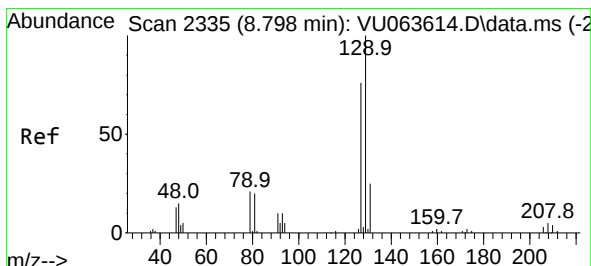
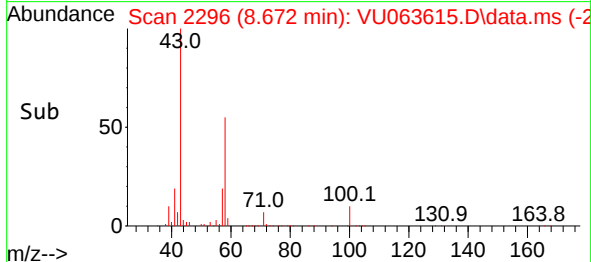
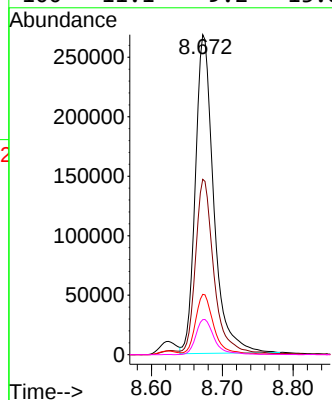
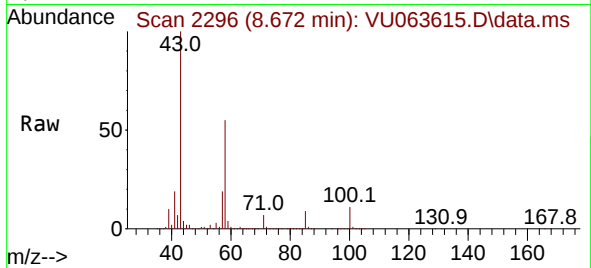




#48
2-Hexanone
Concen: 190.061 ug/L
RT: 8.672 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

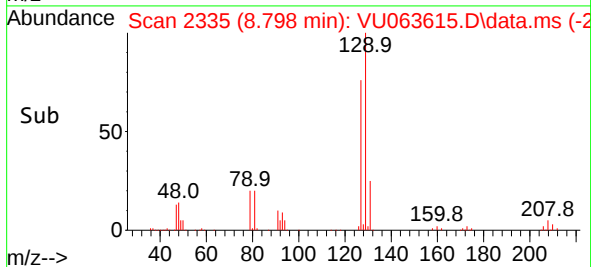
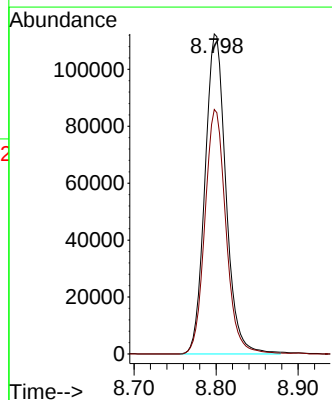
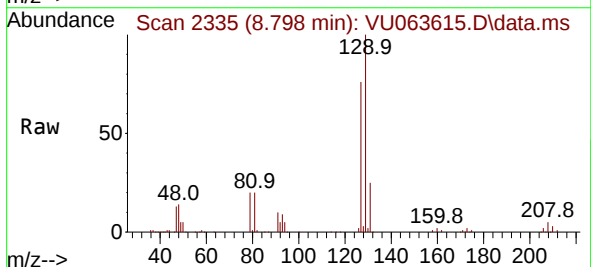
Instrument :
MSVOA_U
ClientSampleId :

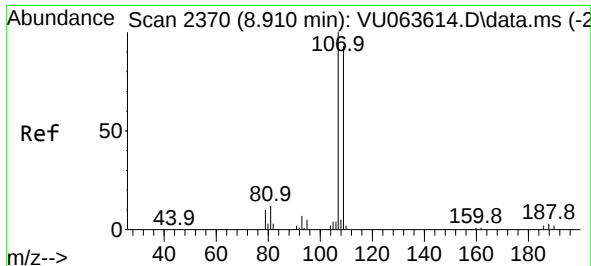
Tgt Ion: 43 Resp: 482941
Ion Ratio Lower Upper
43 100
58 53.3 41.7 62.5
57 18.7 14.7 22.1
100 11.1 9.2 13.8



#49
Dibromochloromethane
Concen: 87.720 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion:129 Resp: 199402
Ion Ratio Lower Upper
129 100
127 76.4 53.1 98.7





#50

1,2-Dibromoethane

Concen: 86.357 ug/L

RT: 8.913 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :

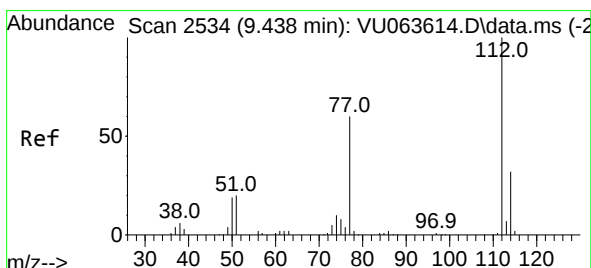
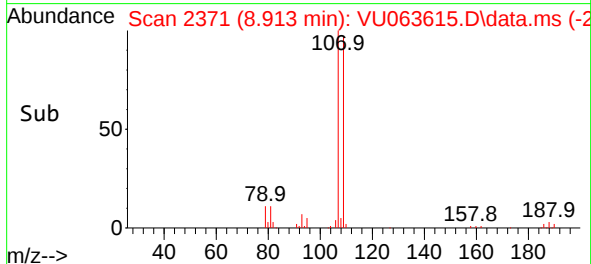
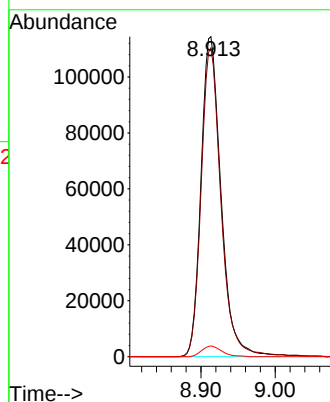
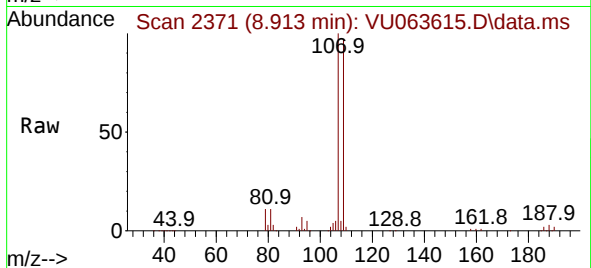
Tgt Ion:107 Resp: 214265

Ion Ratio Lower Upper

107 100

109 96.5 65.0 120.6

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 91.512 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

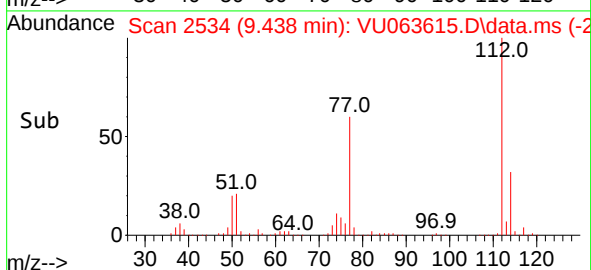
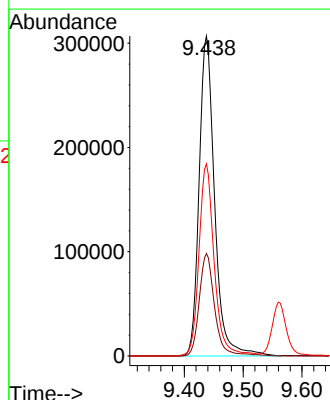
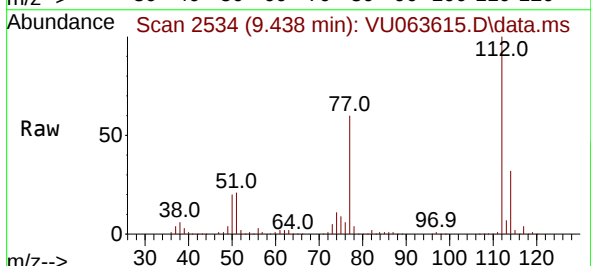
Tgt Ion:112 Resp: 560181

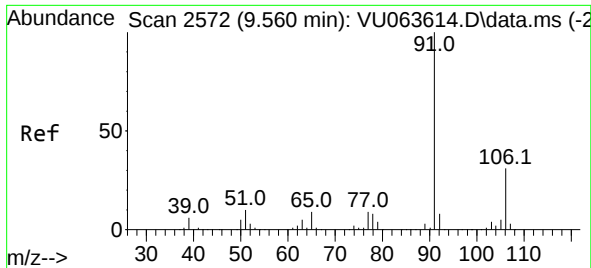
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 60.0 48.2 72.2

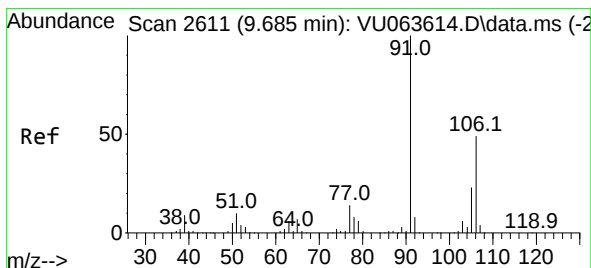
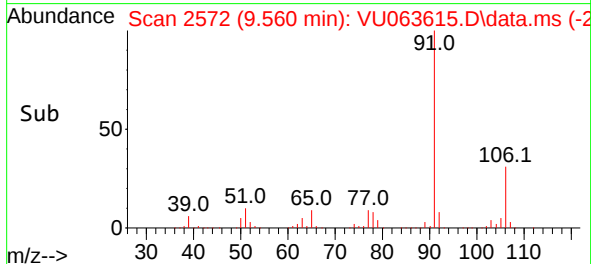
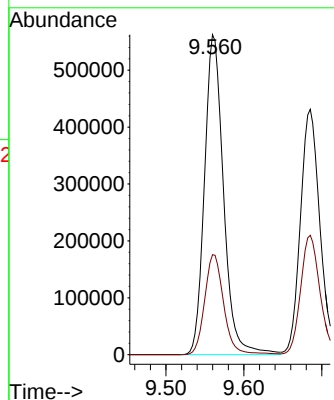
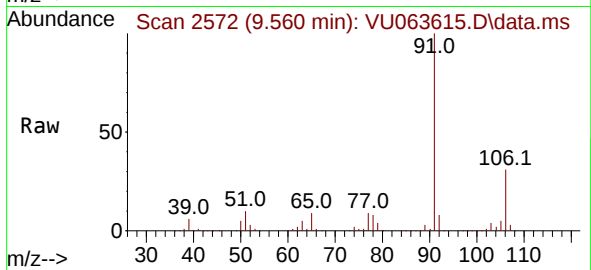




#52
Ethylbenzene
Concen: 96.252 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

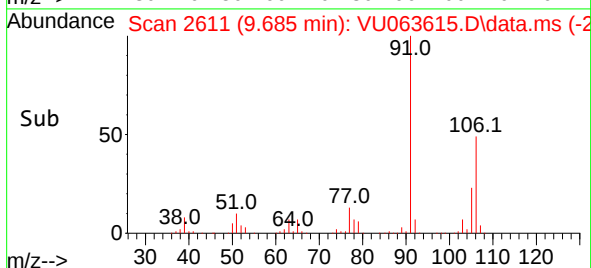
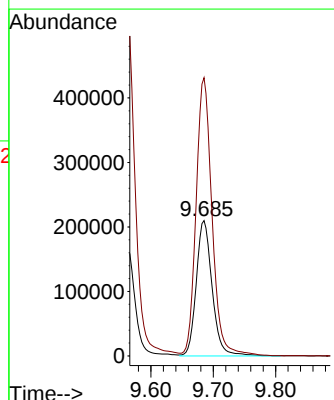
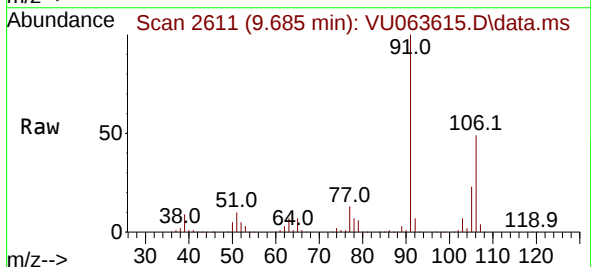
Instrument :
MSVOA_U
ClientSampleId :

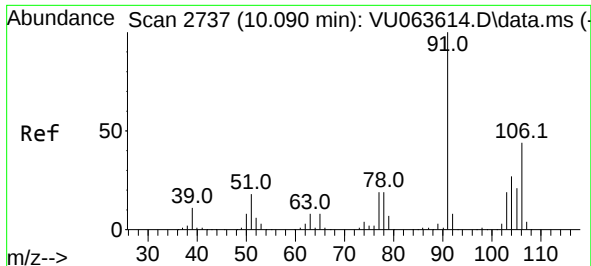
Tgt Ion: 91 Resp: 955895
Ion Ratio Lower Upper
91 100
106 31.3 21.5 39.9



#53
m,p-Xylene
Concen: 102.126 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion: 106 Resp: 371859
Ion Ratio Lower Upper
106 100
91 205.6 144.1 267.7

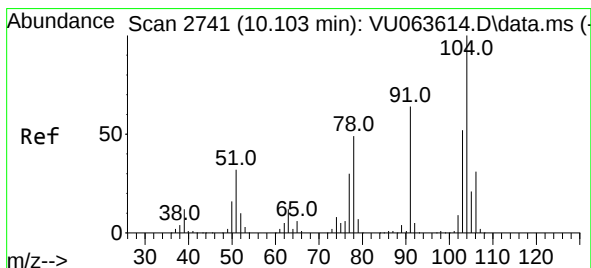
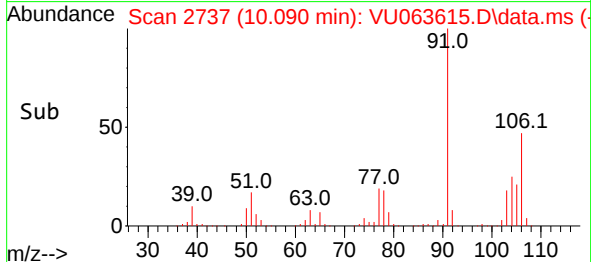
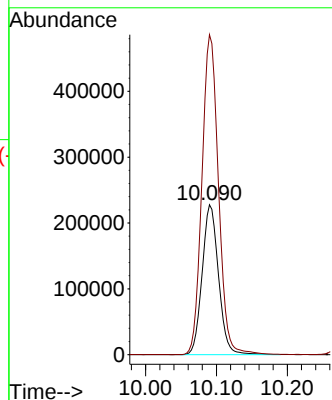
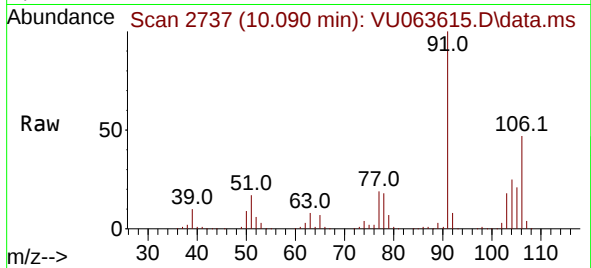




#54
o-Xylene
Concen: 103.743 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

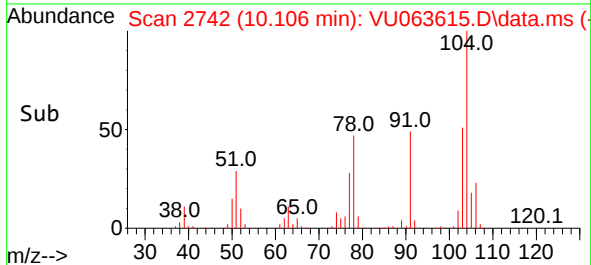
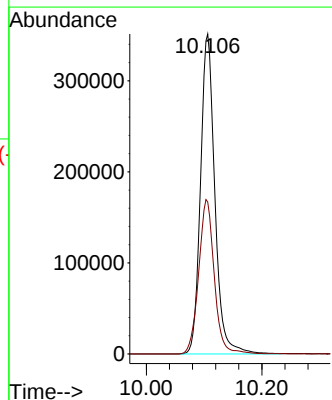
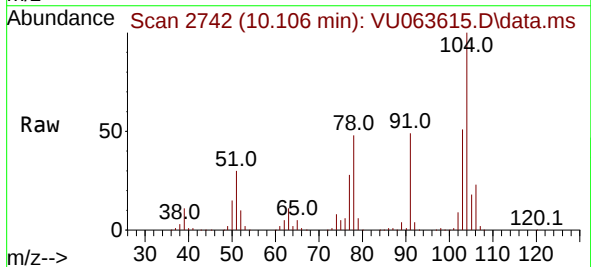
Instrument :
MSVOA_U
ClientSampleId :

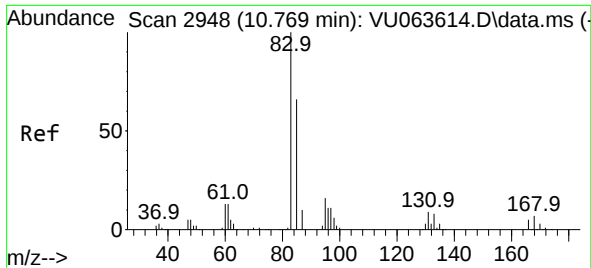
Tgt Ion:106 Resp: 365006
Ion Ratio Lower Upper
106 100
91 213.5 158.5 294.3



#55
Styrene
Concen: 102.198 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.003 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

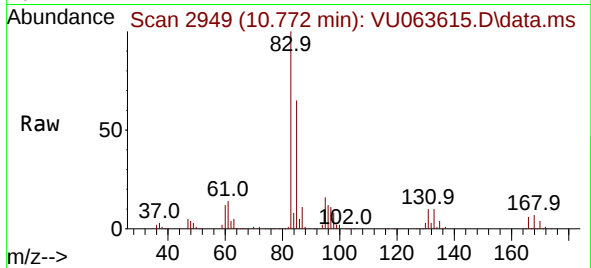
Tgt Ion:104 Resp: 607510
Ion Ratio Lower Upper
104 100
78 47.5 34.5 64.1



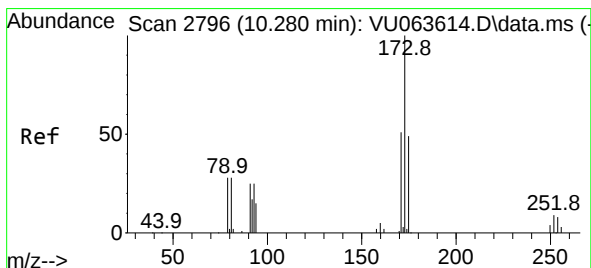
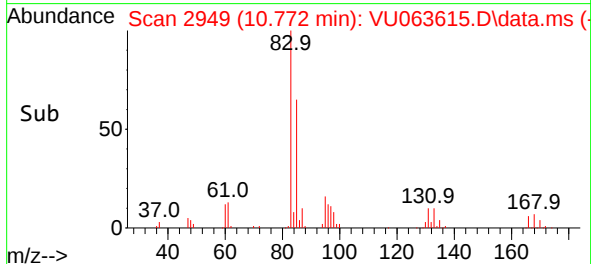
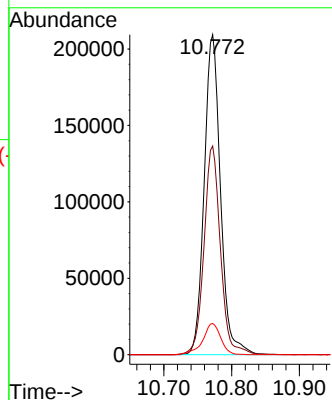


#57
1,1,2,2-Tetrachloroethane
Concen: 81.533 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :

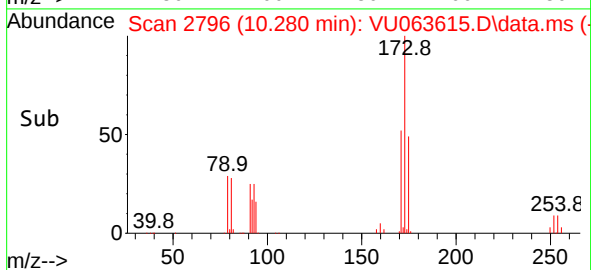
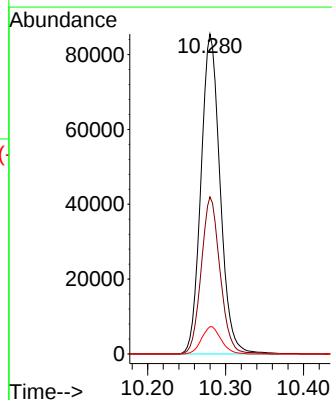
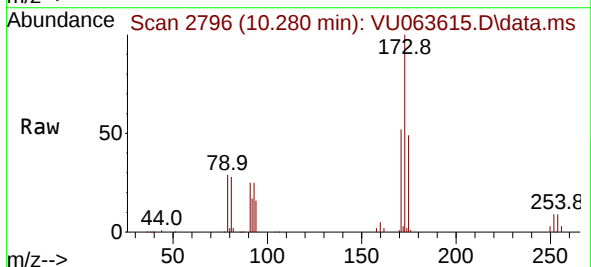


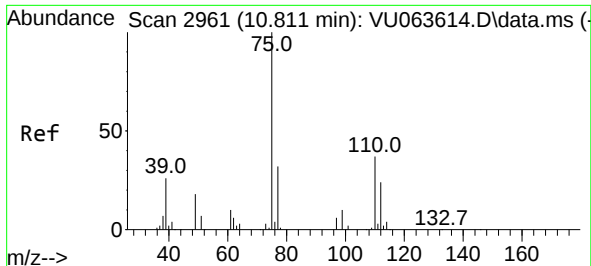
Tgt Ion: 83 Resp: 349580
Ion Ratio Lower Upper
83 100
85 65.2 46.0 85.4
131 9.7 7.4 11.2



#59
Bromoform
Concen: 79.072 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion:173 Resp: 146038
Ion Ratio Lower Upper
173 100
175 47.9 39.3 58.9
254 8.7 6.2 9.4

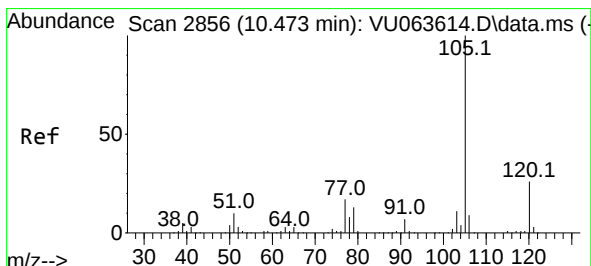
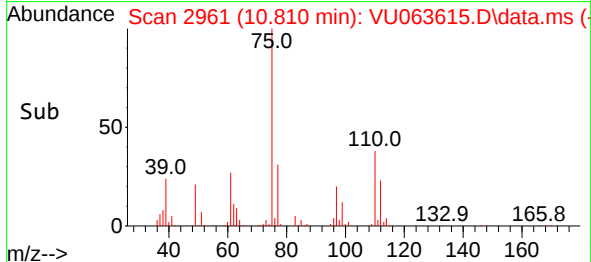
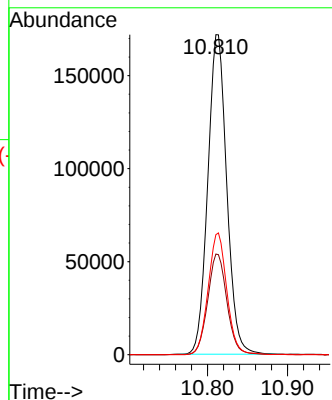
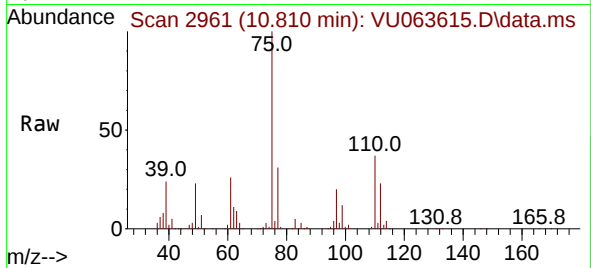




#60
1,2,3-Trichloropropane
Concen: 82.723 ug/L
RT: 10.810 min Scan# 2961
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

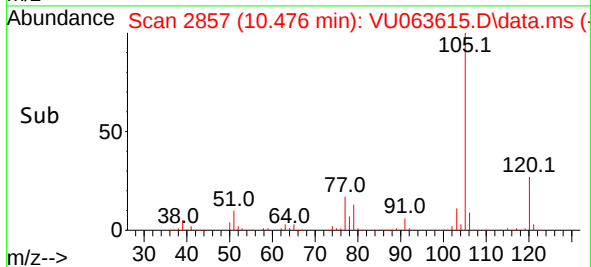
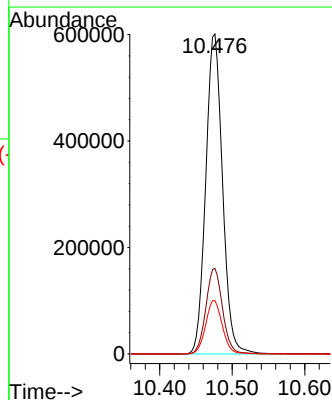
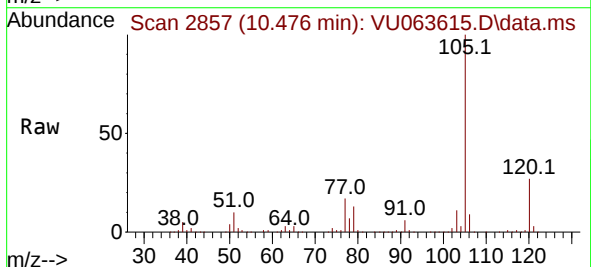
Instrument :
MSVOA_U
ClientSampleId :

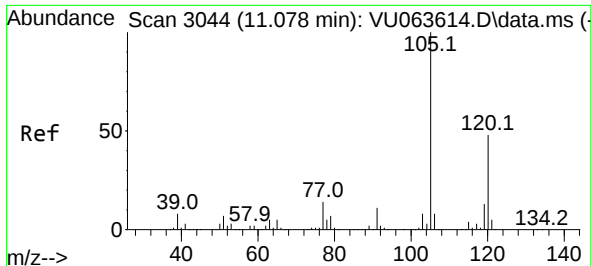
Tgt Ion: 75 Resp: 283237
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
110 37.5 29.2 43.8



#61
Isopropylbenzene
Concen: 100.472 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion: 105 Resp: 967603
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8
77 16.6 13.4 20.0

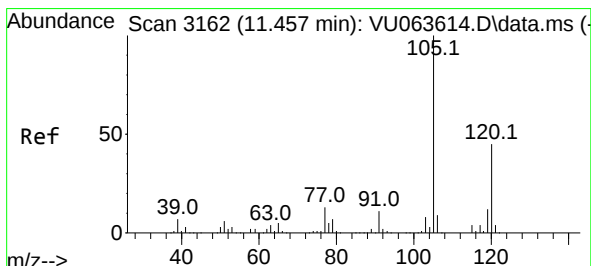
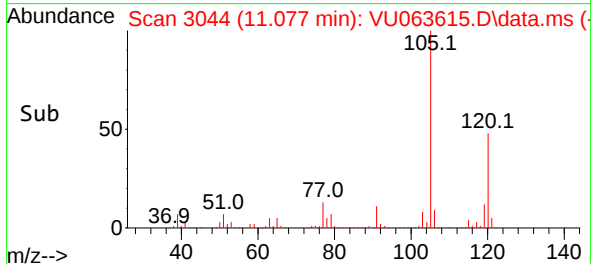
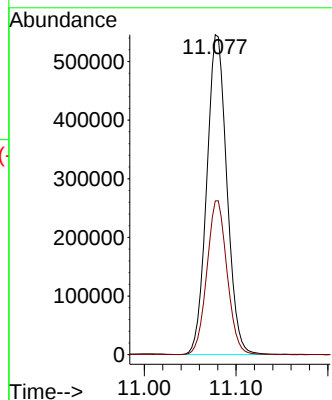
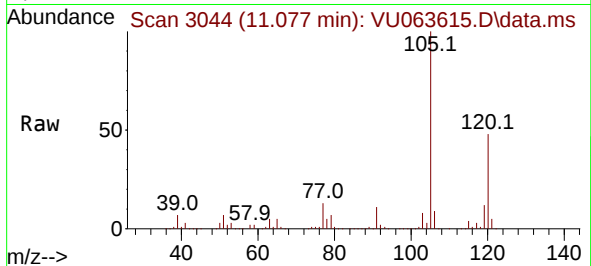




#62
 1,3,5-Trimethylbenzene
 Concen: 109.558 ug/L
 RT: 11.077 min Scan# 3044
 Delta R.T. -0.000 min
 Lab File: VU063615.D
 Acq: 22 Sep 2025 11:37

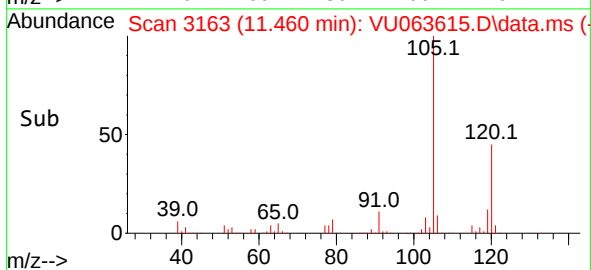
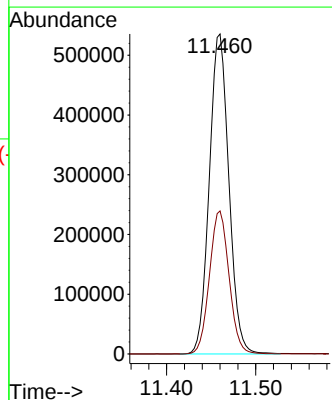
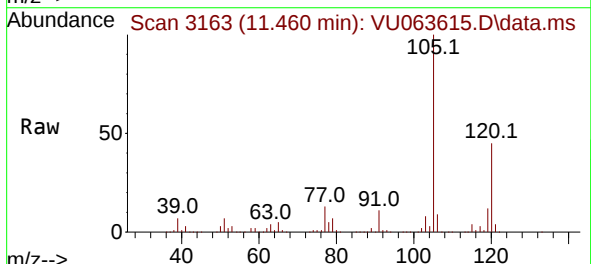
Instrument :
 MSVOA_U
 ClientSampleId :

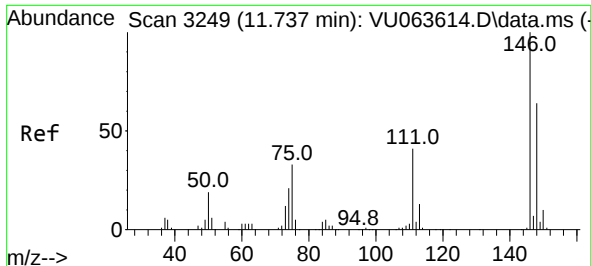
Tgt Ion:105 Resp: 830390
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 113.460 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. 0.003 min
 Lab File: VU063615.D
 Acq: 22 Sep 2025 11:37

Tgt Ion:105 Resp: 816898
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.6 53.4

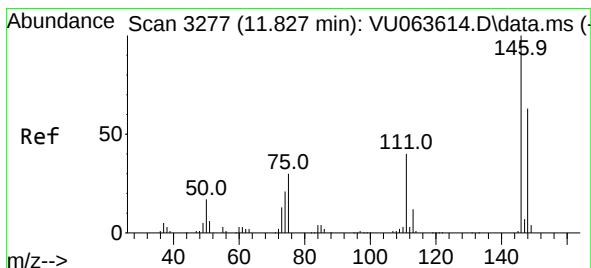
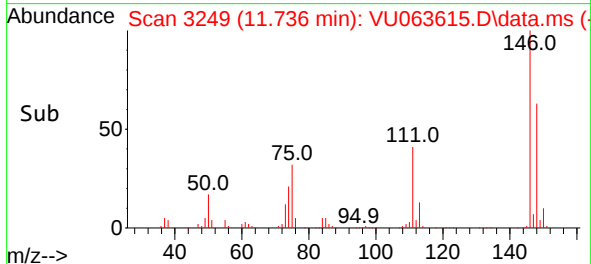
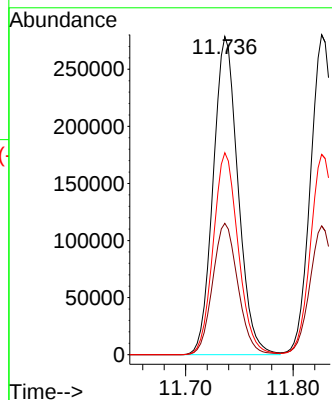
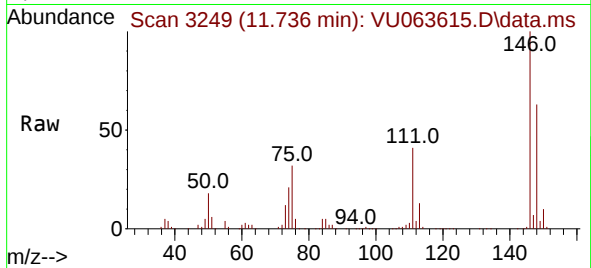




#64
1,3-Dichlorobenzene
Concen: 94.962 ug/L
RT: 11.736 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

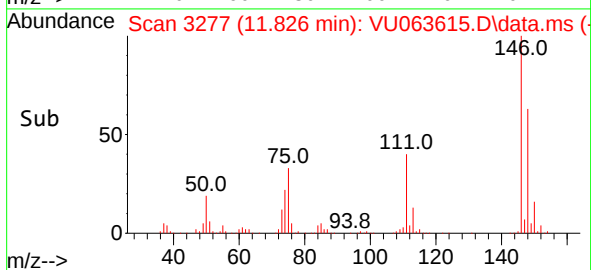
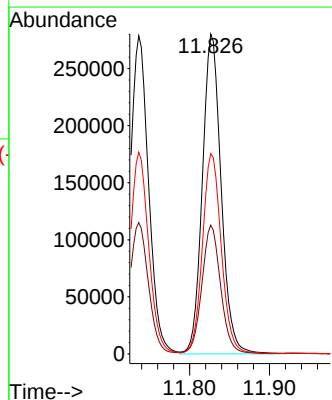
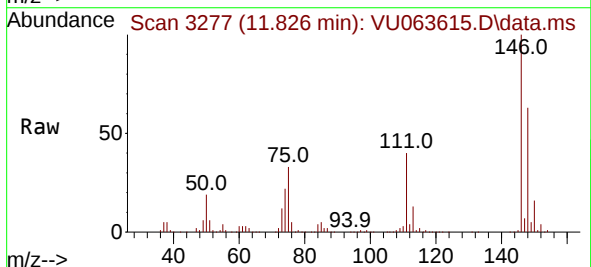
Instrument :
MSVOA_U
ClientSampleId :

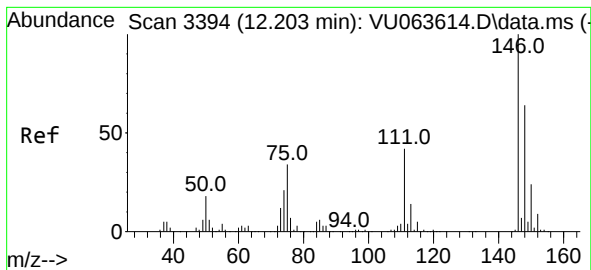
Tgt Ion:146 Resp: 448420
Ion Ratio Lower Upper
146 100
111 41.3 28.6 53.0
148 63.5 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 94.608 ug/L
RT: 11.826 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion:146 Resp: 457850
Ion Ratio Lower Upper
146 100
111 40.3 27.9 51.9
148 62.6 44.0 81.8

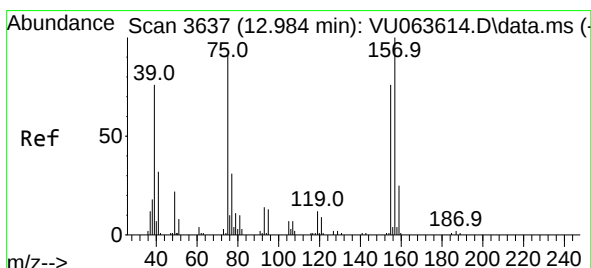
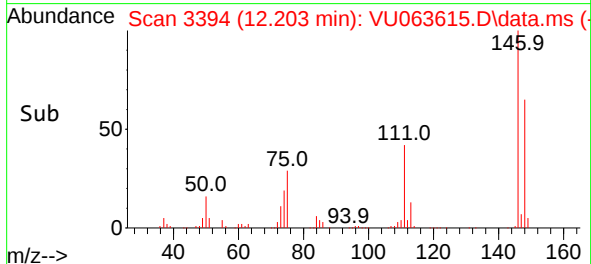
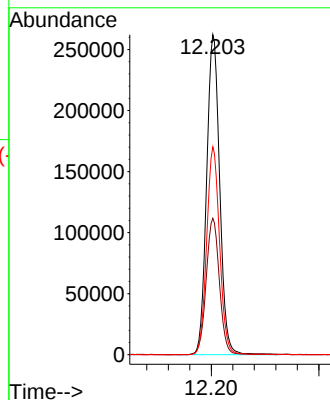
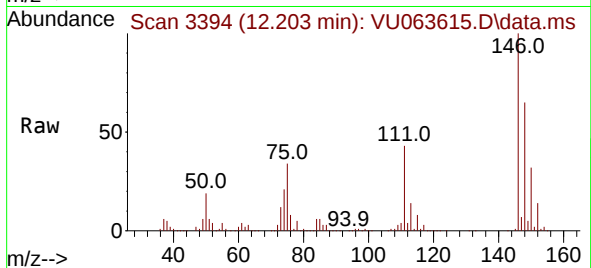




#67
1,2-Dichlorobenzene
Concen: 92.472 ug/L
RT: 12.203 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

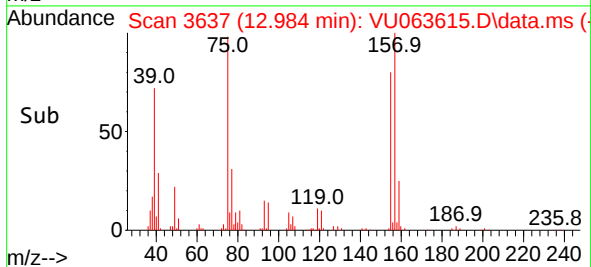
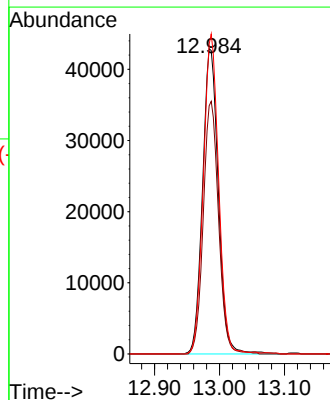
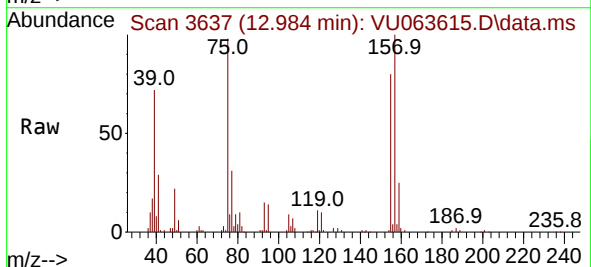
Instrument :
MSVOA_U
ClientSampleId :

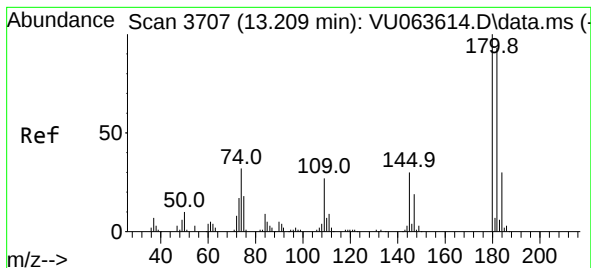
Tgt Ion:146 Resp: 441202
Ion Ratio Lower Upper
146 100
111 42.6 33.6 50.4
148 65.0 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 80.203 ug/L
RT: 12.984 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion: 75 Resp: 72773
Ion Ratio Lower Upper
75 100
155 81.3 66.6 99.8
157 101.5 87.6 131.4





#69

1,3,5-Trichlorobenzene

Concen: 101.681 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.000 min

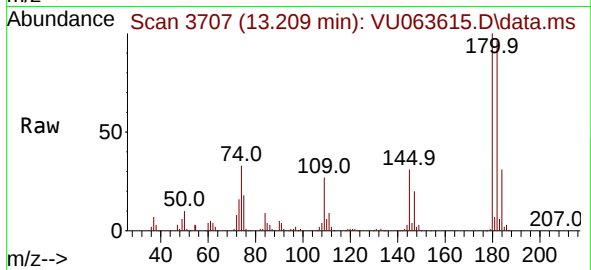
Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 328087

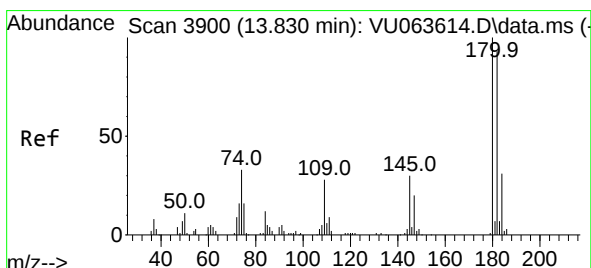
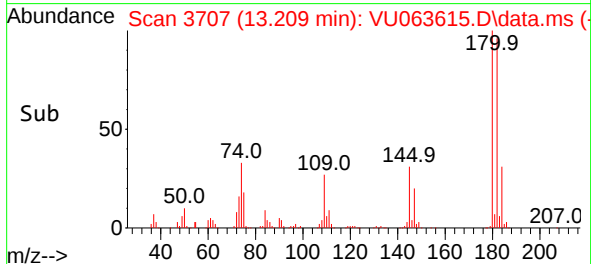
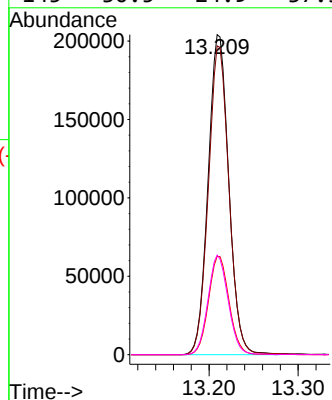
Ion Ratio Lower Upper

180 100

182 95.9 75.9 113.9

184 30.6 24.4 36.6

145 30.5 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 112.250 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.000 min

Lab File: VU063615.D

Acq: 22 Sep 2025 11:37

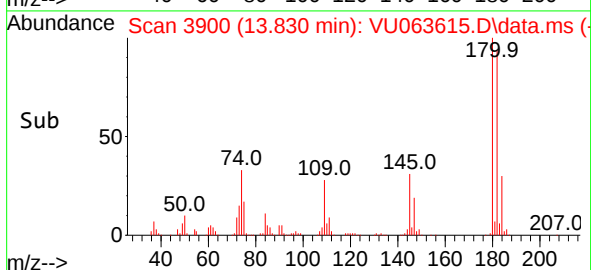
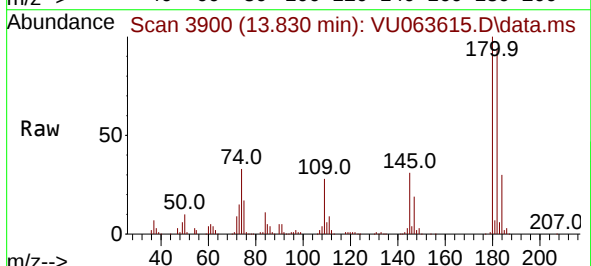
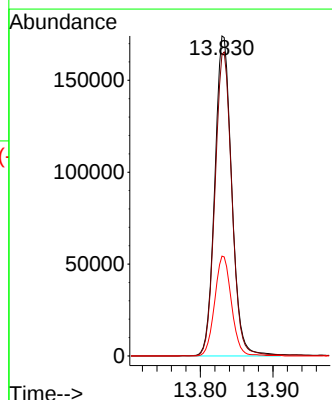
Tgt Ion:180 Resp: 282615

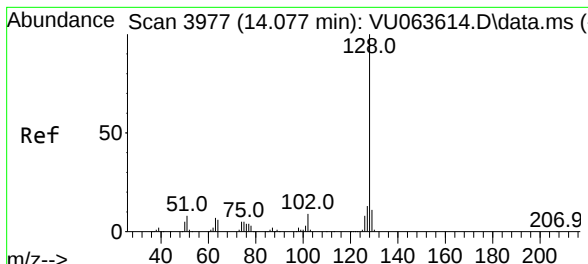
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.0

145 30.7 24.6 37.0

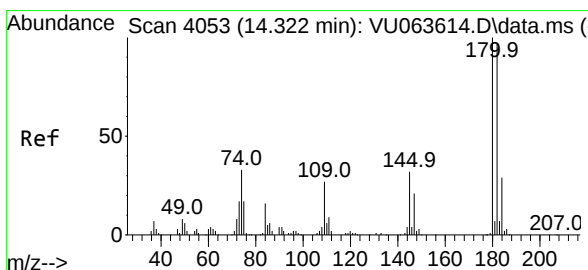
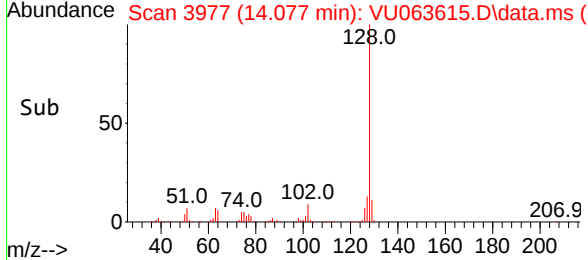
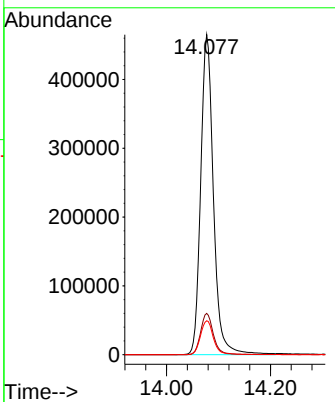
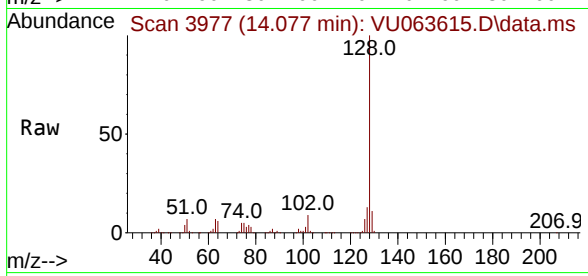




#71
Naphthalene
Concen: 116.433 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.000 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	790785
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 108.732 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. -0.003 min
Lab File: VU063615.D
Acq: 22 Sep 2025 11:37

Tgt Ion:	180	Resp:	266312
Ion Ratio	Lower	Upper	
180	100		
182	95.8	77.4	116.2
145	33.4	25.9	38.9

