

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020325\
 Data File : VU063109.D
 Acq On : 03 Feb 2025 09:50
 Operator : MD/SY
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 04 07:27:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 04 07:26:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	94795	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	87011	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	38331	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	2714	0.690	ug/L	0.00
7) Chloroethane-d5	1.901	69	2569	0.826	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	1406	0.643	ug/L	0.00
20) 2-Butanone-d5	4.640	46	1739	1.539	ug/L	0.04
24) Chloroform-d	5.052	84	6182	0.455	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	2834	0.380	ug/L	0.01
32) Benzene-d6	5.721	84	11378	0.535	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	4014	0.682	ug/L	0.00
41) Toluene-d8	7.891	98	10164	0.496	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.184	79	1438	0.454	ug/L	0.01
46) 2-Hexanone-d5	8.634	63	4957	5.469	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.749	84	2957	0.558	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	3201	0.463	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	2937	0.378	ug/L	97
3) Chloromethane	1.518	50	3786	0.820	ug/L	97
5) Vinyl chloride	1.602	62	3618	0.710	ug/L	93
6) Bromomethane	1.846	94	1903	0.737	ug/L	100
8) Chloroethane	1.927	64	2331	0.870	ug/L	92
9) Trichlorofluoromethane	2.132	101	4960	0.446	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3455	0.598	ug/L	96
12) 1,1-Dichloroethene	2.570	96	2965	0.577	ug/L	89
13) Acetone	2.624	43	4274	6.274	ug/L	89
14) Carbon disulfide	2.785	76	9029	0.662	ug/L #	94
15) Methyl Acetate	2.965	43	883	0.605	ug/L #	56
16) Methylene chloride	3.033	84	3461	0.621	ug/L	93
17) Methyl tert-butyl Ether	3.354	73	7408	0.493	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	2875	0.525	ug/L	92
19) 1,1-Dichloroethane	3.859	63	6197	0.628	ug/L	98
21) 2-Butanone	4.721	43	5287	5.305	ug/L	87
22) cis-1,2-Dichloroethene	4.660	96	3511	0.531	ug/L	94
23) Bromochloromethane	4.975	128	1383	0.435	ug/L	82
25) Chloroform	5.078	83	6438	0.486	ug/L	89
27) 1,2-Dichloroethane	5.798	62	3544	0.397	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	4972	0.387	ug/L	98
30) Cyclohexane	5.377	56	4397	0.626	ug/L	96
31) Carbon tetrachloride	5.508	117	4327	0.358	ug/L	99
33) Benzene	5.766	78	13481	0.596	ug/L	100
34) Trichloroethene	6.541	95	3824	0.526	ug/L	87
35) Methylcyclohexane	6.753	83	4933	0.527	ug/L	96
37) 1,2-Dichloropropane	6.785	63	3418	0.637	ug/L #	90
38) Bromodichloromethane	7.100	83	4146	0.436	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	4567	0.487	ug/L	94
40) 4-Methyl-2-pentanone	7.785	43	16266	6.204	ug/L	96
42) Toluene	7.965	91	13344	0.511	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	3837	0.458	ug/L	96

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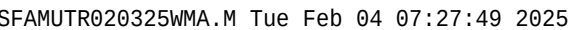
Quant Time: Feb 04 07:27:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020325WMA.M
 Quant Title : TRACE VOA SFAM1.0
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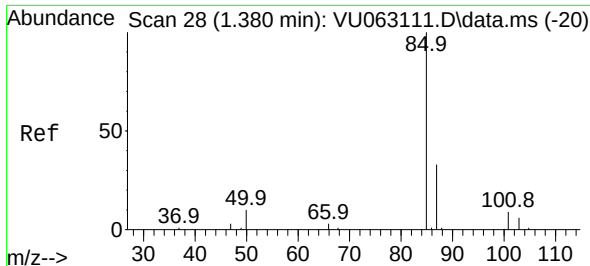
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	2718	0.575	ug/L	92
47) Tetrachloroethene	8.547	164	2505	0.423	ug/L	96
48) 2-Hexanone	8.682	43	10917	5.963	ug/L #	95
49) Dibromochloromethane	8.798	129	2770	0.411	ug/L	93
50) 1,2-Dibromoethane	8.920	107	2222	0.479	ug/L #	89
51) Chlorobenzene	9.441	112	8295	0.470	ug/L	94
52) Ethylbenzene	9.566	91	13700	0.459	ug/L	100
53) m,p-Xylene	9.688	106	4908	0.433	ug/L	99
54) o-Xylene	10.097	106	4739	0.450	ug/L	98
55) Styrene	10.113	104	7688	0.432	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	3251	0.595	ug/L	99
59) Bromoform	10.283	173	1521	0.426	ug/L #	92
60) Isopropylbenzene	10.476	105	12968	0.516	ug/L	95
61) 1,2,3-Trichloropropane	10.814	75	2046	0.610	ug/L	91
62) 1,3,5-Trimethylbenzene	11.081	105	9611	0.445	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	8202	0.403	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	5854	0.473	ug/L	92
65) 1,4-Dichlorobenzene	11.830	146	6600	0.533	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	5864	0.501	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	124	0.148	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	4331	0.451	ug/L	93
70) 1,2,4-trichlorobenzene	13.839	180	2839	0.375	ug/L	98
71) Naphthalene	14.097	128	3635	0.359	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.328	180	2551	0.389	ug/L	96

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

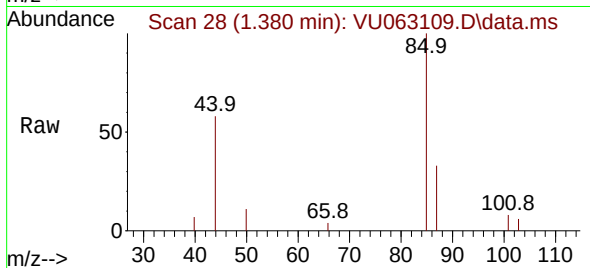
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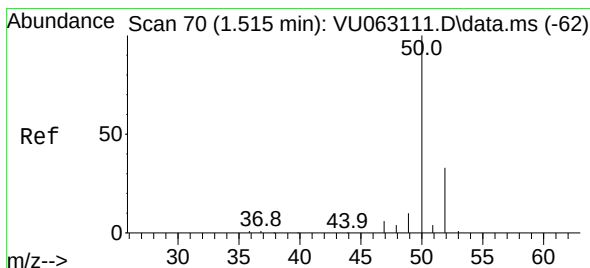
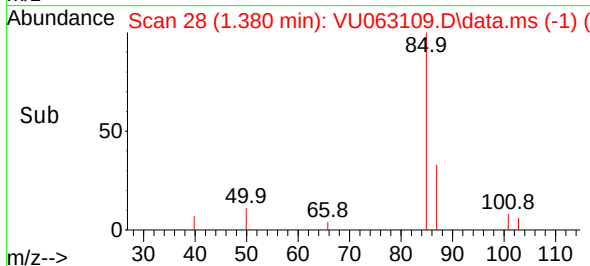
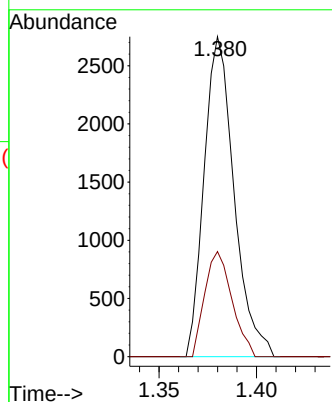


#2
 Dichlorodifluoromethane
 Concen: 0.378 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU063109.D
 Acq: 03 Feb 2025 09:50

Instrument :
 MSVOA_U
 ClientSampleId :

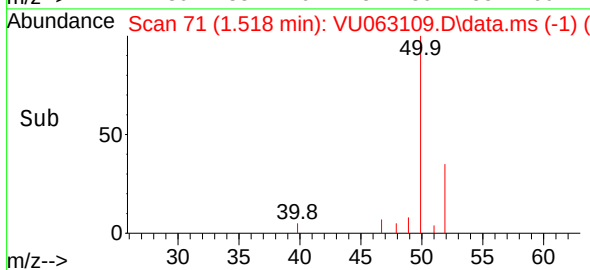
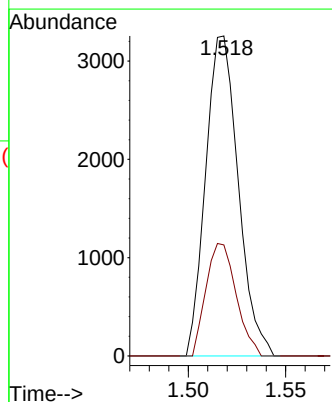
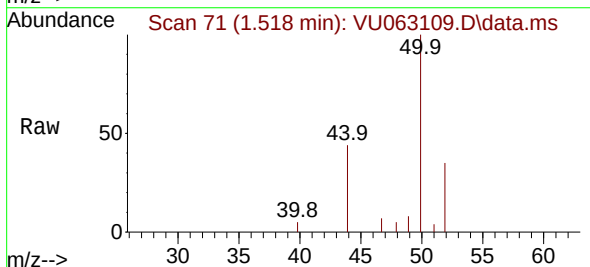


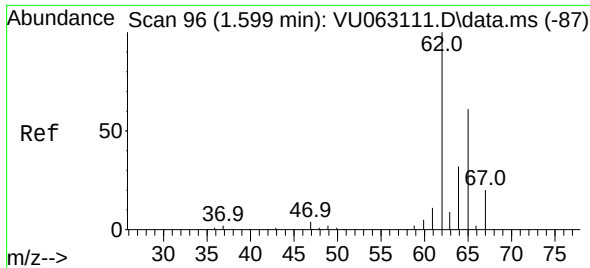
Tgt Ion: 85 Resp: 2937
 Ion Ratio Lower Upper
 85 100
 87 29.8 25.4 38.0



#3
 Chloromethane
 Concen: 0.820 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU063109.D
 Acq: 03 Feb 2025 09:50

Tgt Ion: 50 Resp: 3786
 Ion Ratio Lower Upper
 50 100
 52 34.7 23.2 43.2

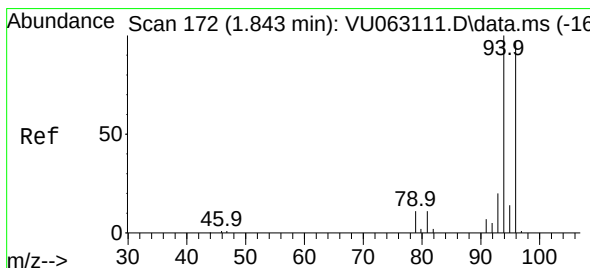
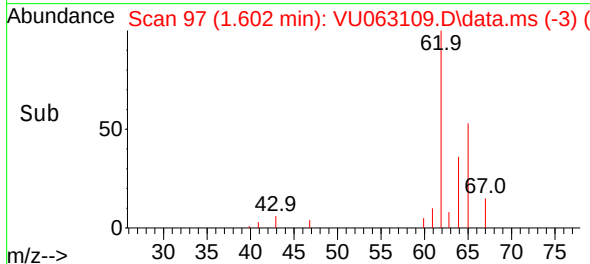
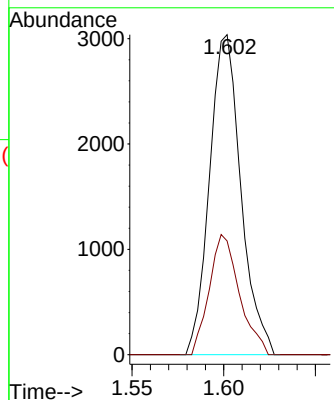
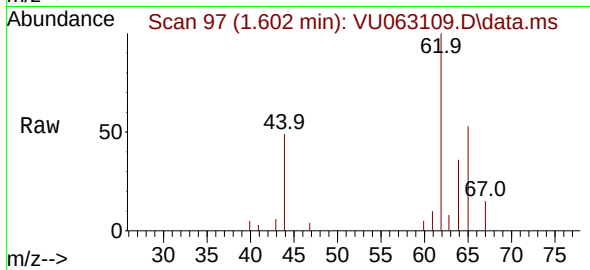




#5
 Vinyl chloride
 Concen: 0.710 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU063109.D
 Acq: 03 Feb 2025 09:50

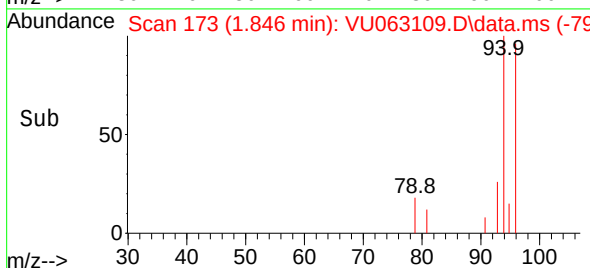
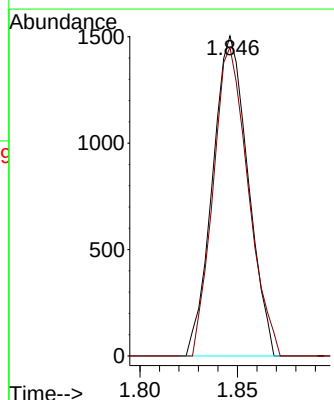
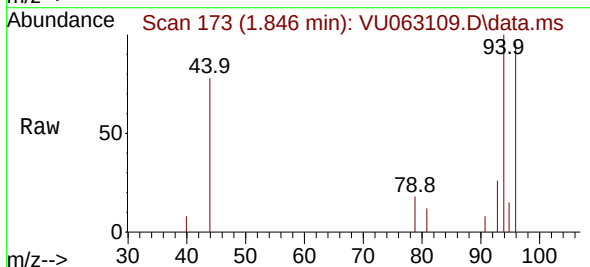
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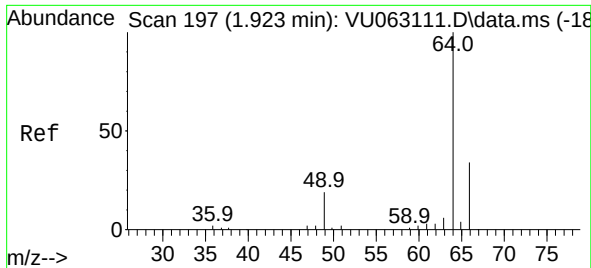
Tgt Ion: 62 Resp: 3618
 Ion Ratio Lower Upper
 62 100
 64 35.5 22.3 41.3



#6
 Bromomethane
 Concen: 0.737 ug/L
 RT: 1.846 min Scan# 173
 Delta R.T. 0.003 min
 Lab File: VU063109.D
 Acq: 03 Feb 2025 09:50

Tgt Ion: 94 Resp: 1903
 Ion Ratio Lower Upper
 94 100
 96 96.5 67.8 125.8

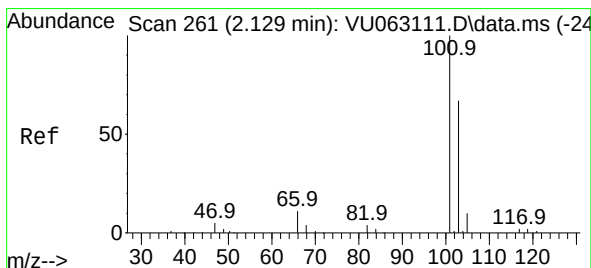
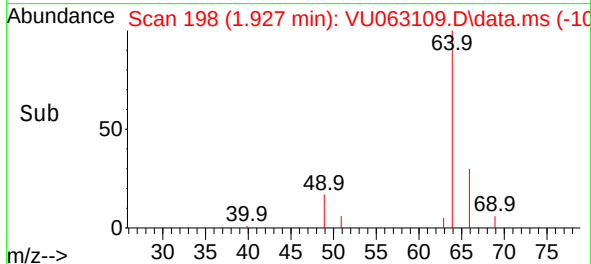
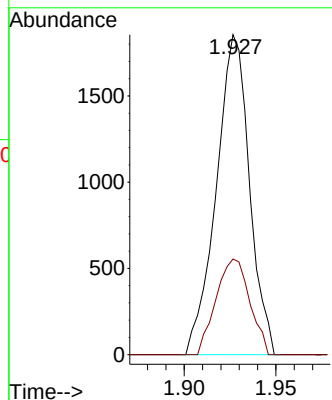
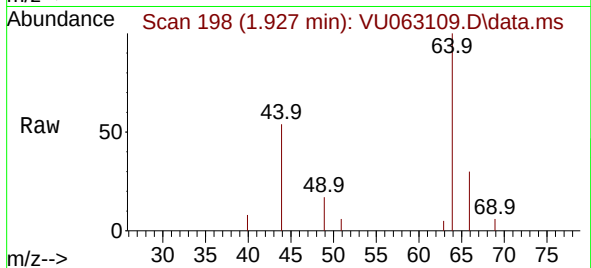




#8
Chloroethane
Concen: 0.870 ug/L
RT: 1.927 min Scan# 197
Delta R.T. 0.003 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

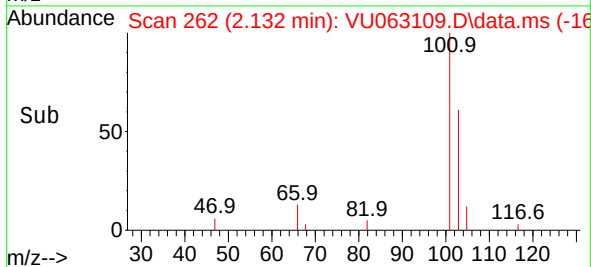
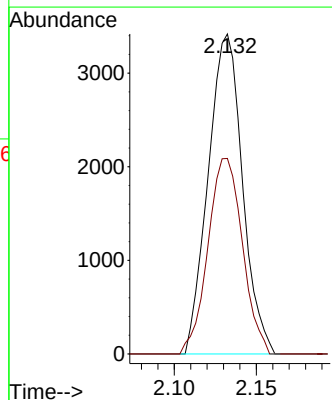
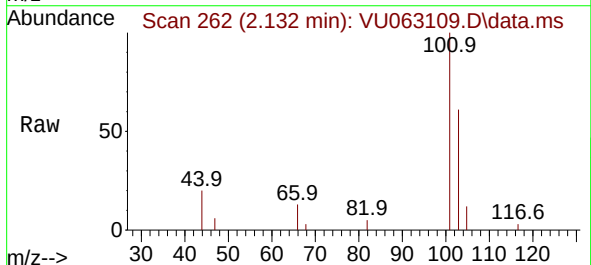
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MSVOA_U
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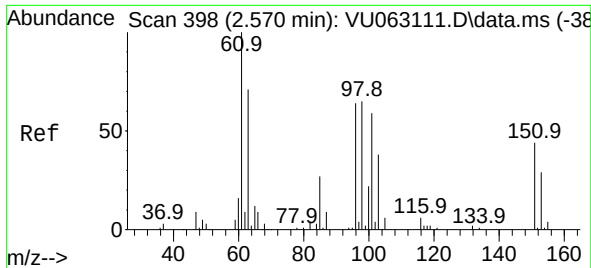
Tgt Ion: 64 Resp: 2331
Ion Ratio Lower Upper
64 100
66 29.9 24.1 44.7



#9
Trichlorofluoromethane
Concen: 0.446 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.003 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion:101 Resp: 4960
Ion Ratio Lower Upper
101 100
103 61.5 53.0 79.4

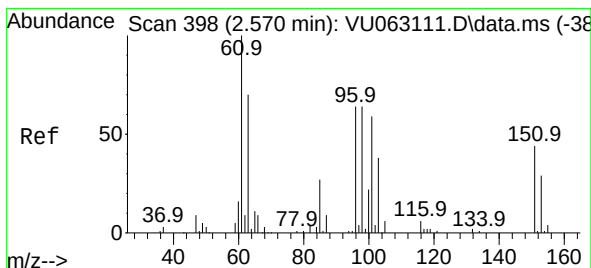
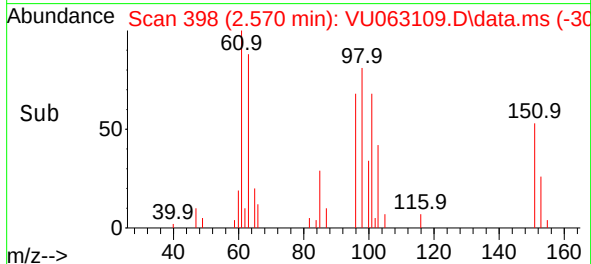
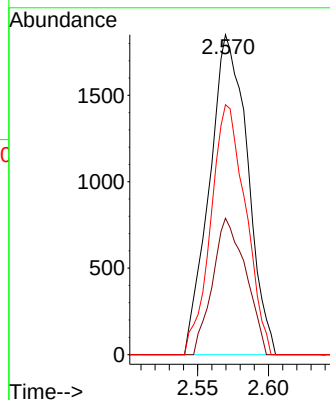
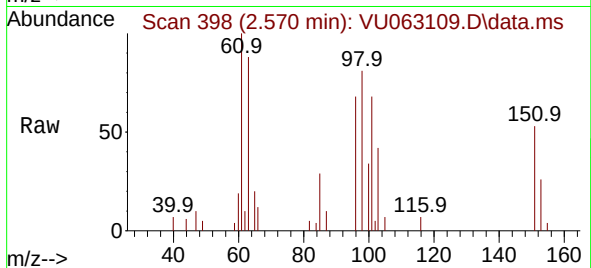




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.598 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU063109.D
 Acq: 03 Feb 2025 09:50

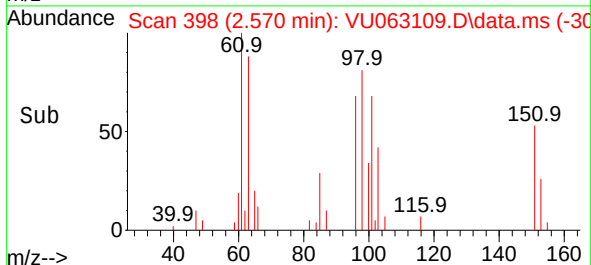
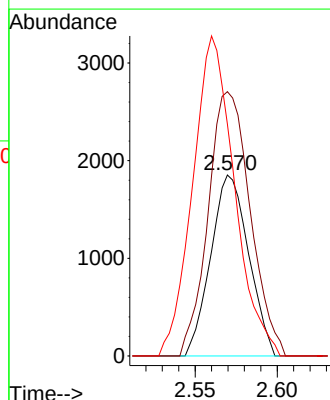
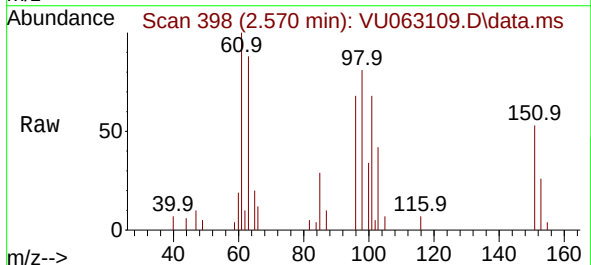
Instrument :
 MSVOA_U
 ClientSampleId :

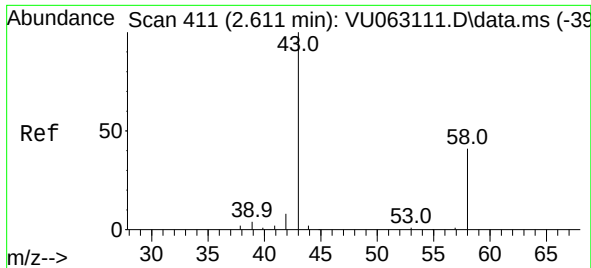
Tgt Ion:101 Resp: 3455
 Ion Ratio Lower Upper
 101 100
 85 37.1 34.0 51.0
 151 71.5 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 0.577 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.000 min
 Lab File: VU063109.D
 Acq: 03 Feb 2025 09:50

Tgt Ion: 96 Resp: 2965
 Ion Ratio Lower Upper
 96 100
 61 146.1 110.2 204.6
 63 128.2 79.6 147.8





#13

Acetone

Concen: 6.274 ug/L

RT: 2.624 min Scan# 411

Delta R.T. 0.013 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

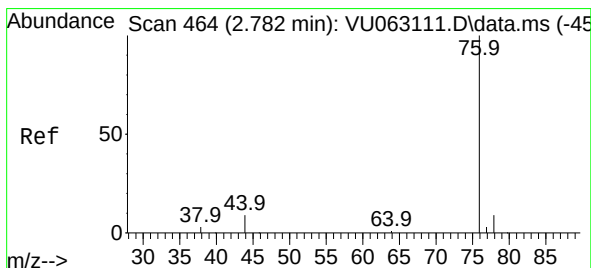
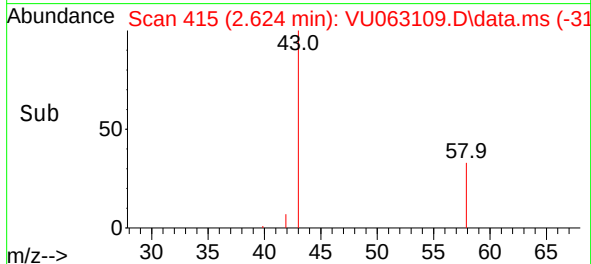
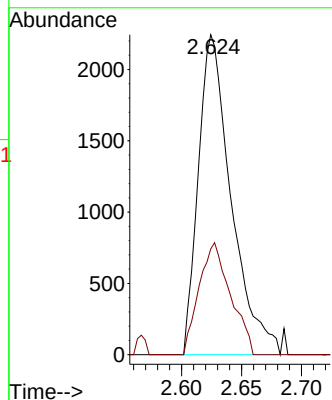
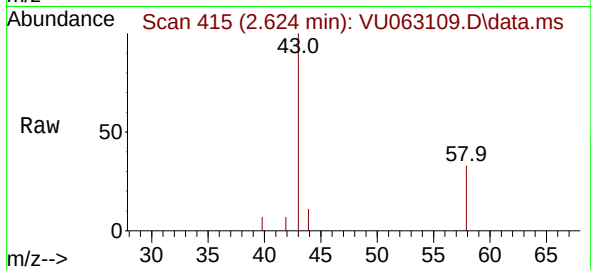
ClientSampleId :

Tgt Ion: 43 Resp: 4274

Ion Ratio Lower Upper

43 100

58 33.6 0.0 81.0



#14

Carbon disulfide

Concen: 0.662 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.003 min

Lab File: VU063109.D

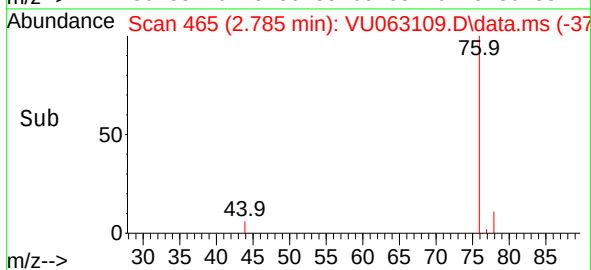
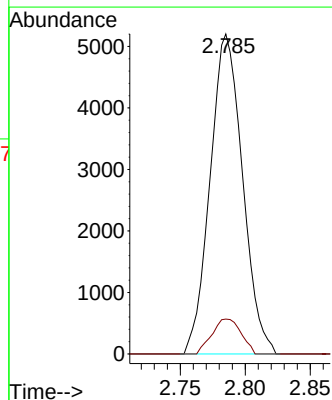
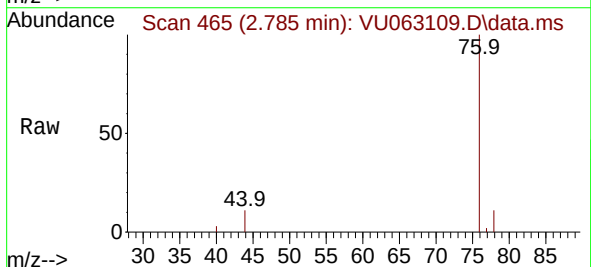
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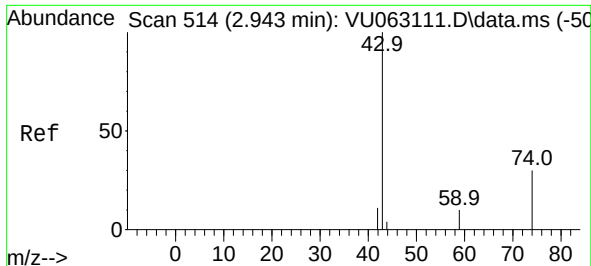
Tgt Ion: 76 Resp: 9029

Ion Ratio Lower Upper

76 100

78 10.9 7.0 10.6#





#15

Methyl Acetate

Concen: 0.605 ug/L

RT: 2.965 min Scan# 51

Delta R.T. 0.022 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

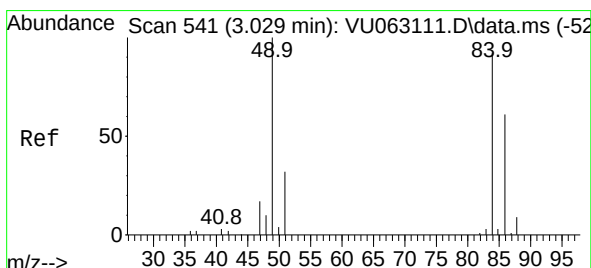
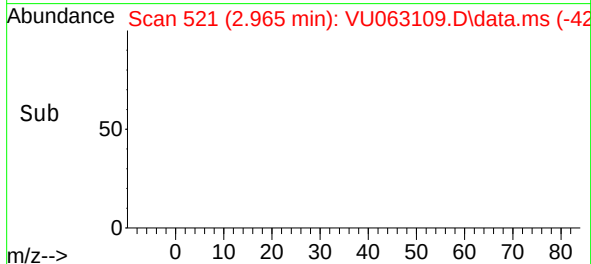
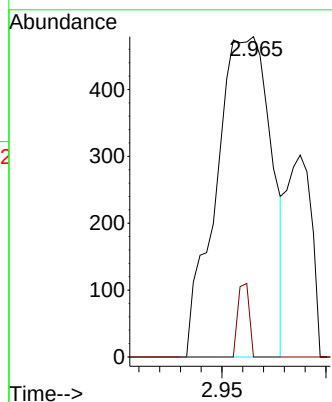
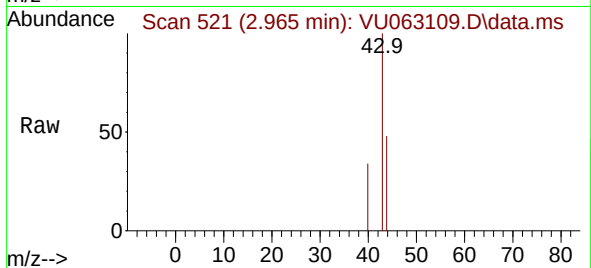
ClientSampleId :

Tgt Ion: 43 Resp: 883

Ion Ratio Lower Upper

43 100

74 4.6 22.3 33.5#



#16

Methylene chloride

Concen: 0.621 ug/L

RT: 3.033 min Scan# 542

Delta R.T. 0.003 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

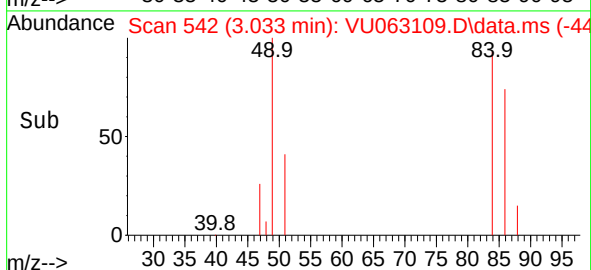
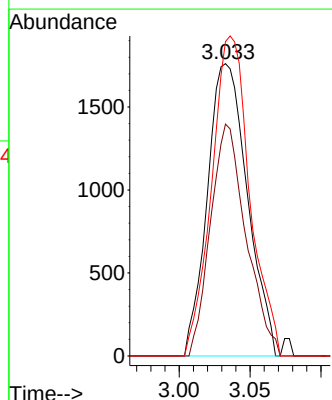
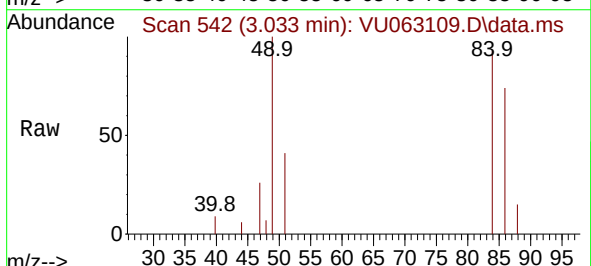
Tgt Ion: 84 Resp: 3461

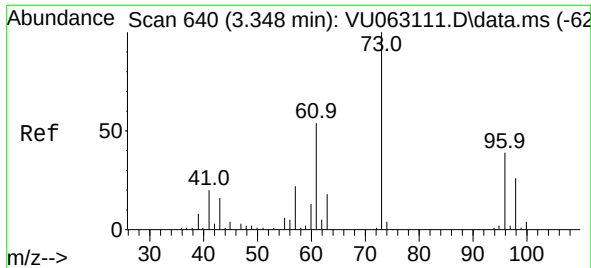
Ion Ratio Lower Upper

84 100

86 79.3 46.3 86.1

49 107.6 75.9 141.1

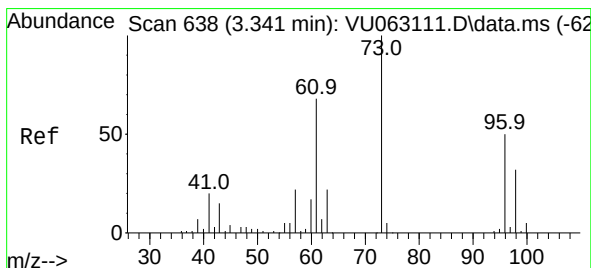
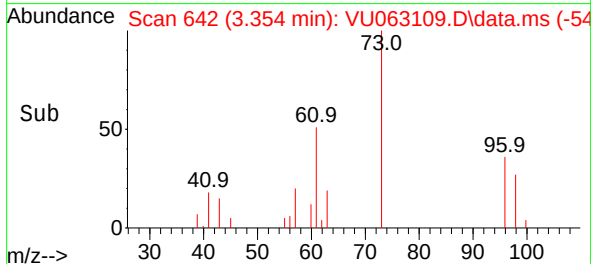
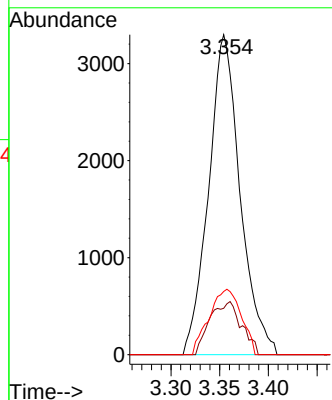
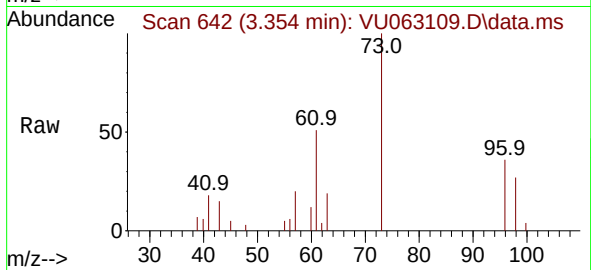




#17
Methyl tert-butyl Ether
Concen: 0.493 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

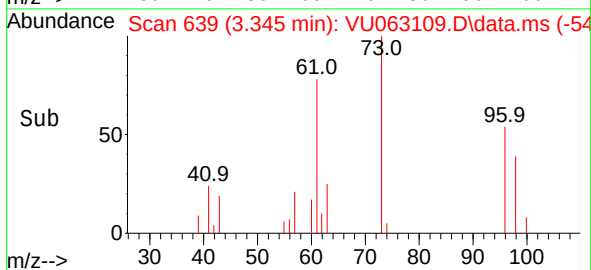
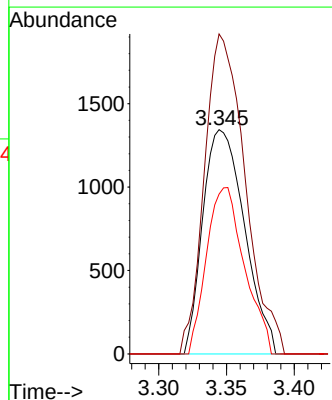
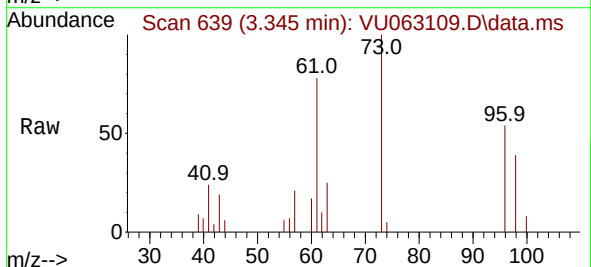
Instrument :
MSVOA_U
ClientSampleId :

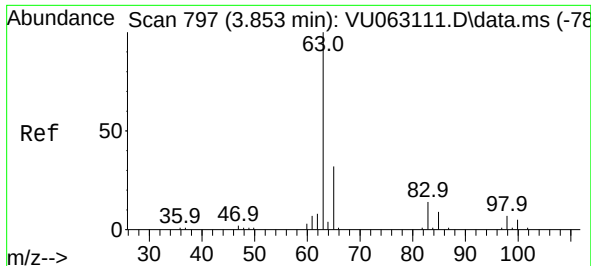
Tgt Ion: 73	Resp:	7408
Ion Ratio	Lower	Upper
73	100	
43	16.7	12.5 18.7
57	20.9	17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.525 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion: 96	Resp:	2875
Ion Ratio	Lower	Upper
96	100	
61	142.7	94.6 175.6
98	71.3	44.4 82.5

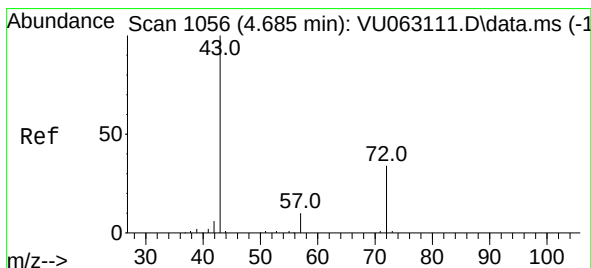
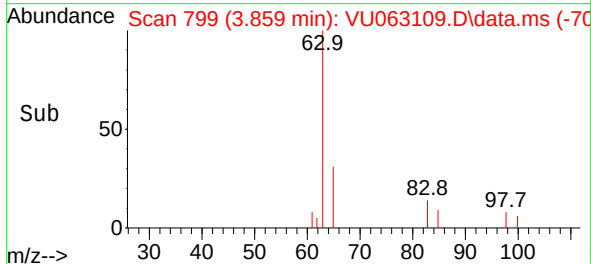
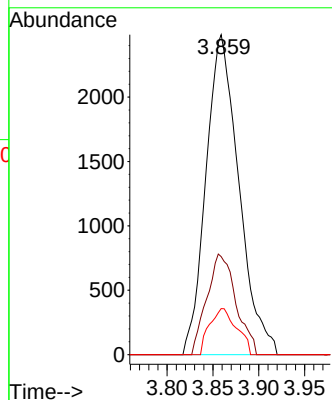
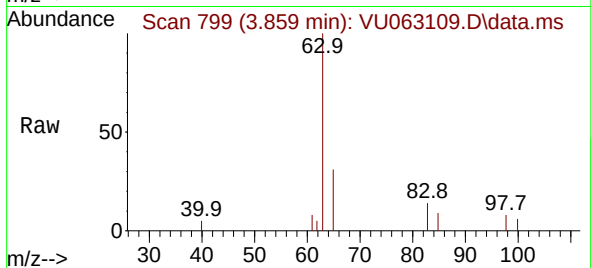




#19
1,1-Dichloroethane
Concen: 0.628 ug/L
RT: 3.859 min Scan# 797
Delta R.T. 0.006 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

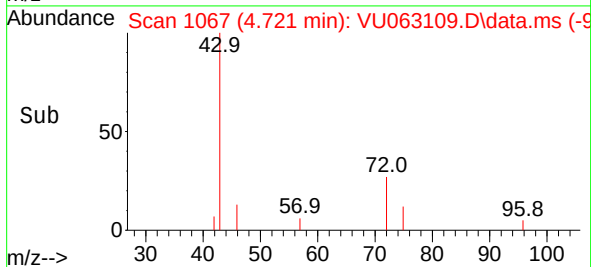
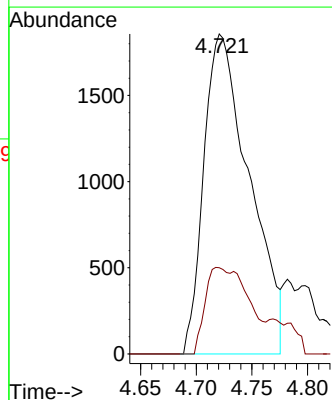
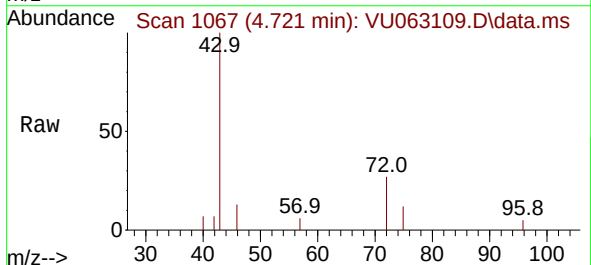
Instrument :
MSVOA_U
ClientSampleId :

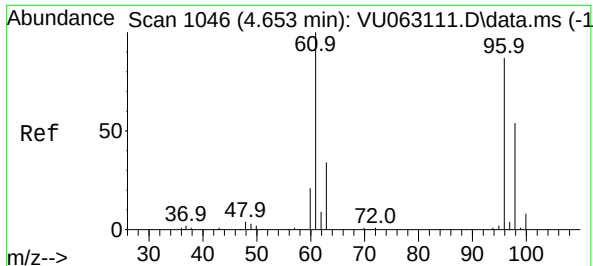
Tgt Ion: 63 Resp: 6197
Ion Ratio Lower Upper
63 100
65 30.6 22.7 42.1
83 14.4 9.9 18.3



#21
2-Butanone
Concen: 5.305 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.035 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion: 43 Resp: 5287
Ion Ratio Lower Upper
43 100
72 25.9 16.7 50.0





#22

cis-1,2-Dichloroethene

Concen: 0.531 ug/L

RT: 4.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

ClientSampleId :

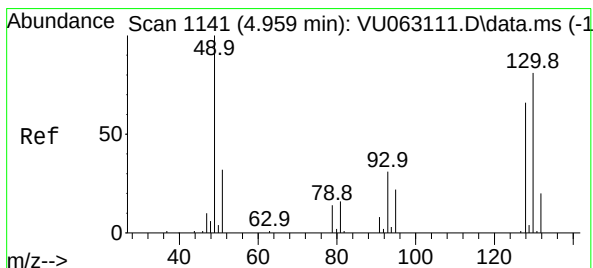
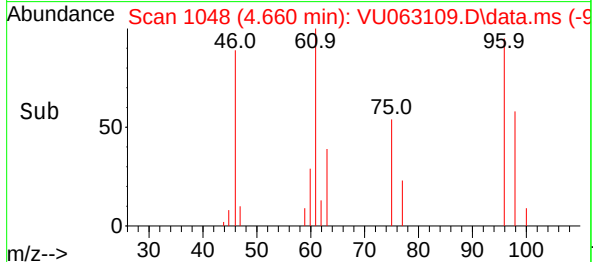
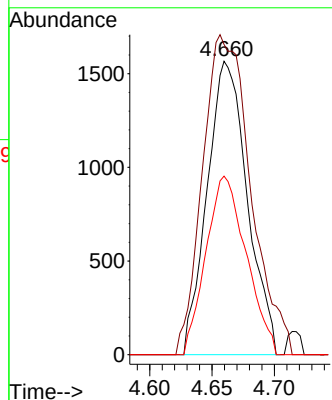
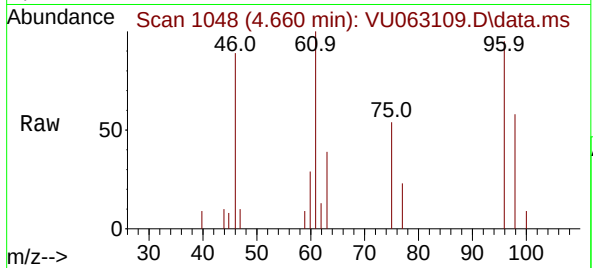
Tgt Ion: 96 Resp: 3511

Ion Ratio Lower Upper

96 100

61 105.7 80.8 150.2

98 60.9 43.4 80.6



#23

Bromochloromethane

Concen: 0.435 ug/L

RT: 4.975 min Scan# 1146

Delta R.T. 0.016 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Tgt Ion:128 Resp: 1383

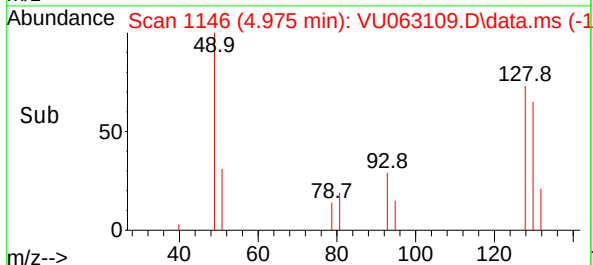
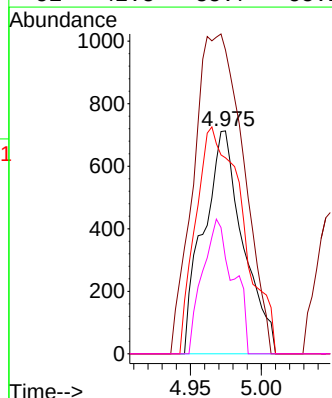
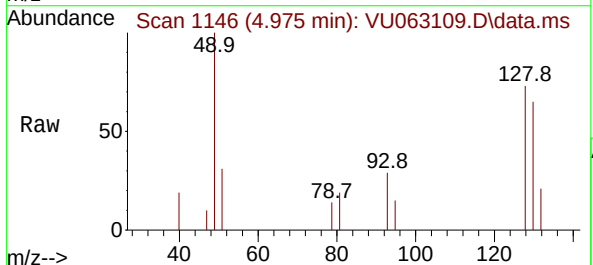
Ion Ratio Lower Upper

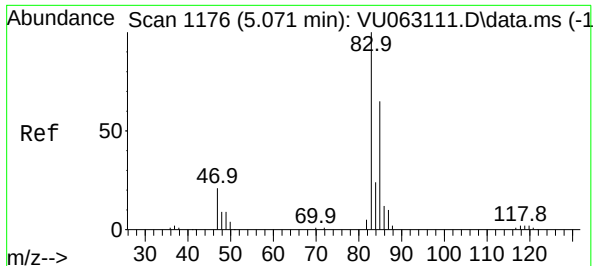
128 100

49 136.3 105.4 195.8

130 87.9 85.0 157.8

51 42.8 38.7 58.1





#25

Chloroform

Concen: 0.486 ug/L

RT: 5.078 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

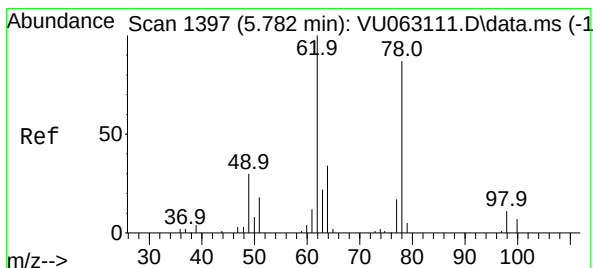
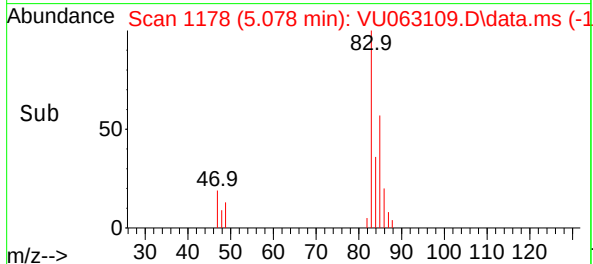
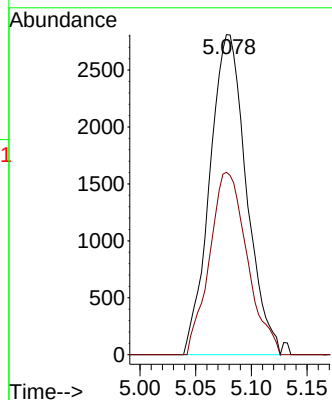
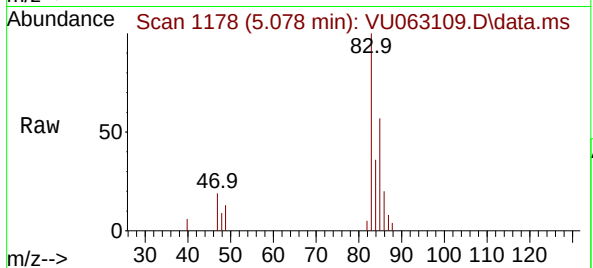
ClientSampleId :

Tgt Ion: 83 Resp: 6438

Ion Ratio Lower Upper

83 100

85 57.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 0.397 ug/L

RT: 5.798 min Scan# 1402

Delta R.T. 0.016 min

Lab File: VU063109.D

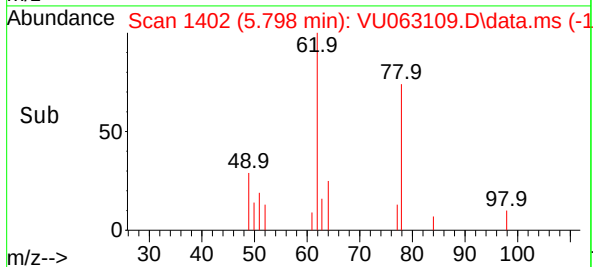
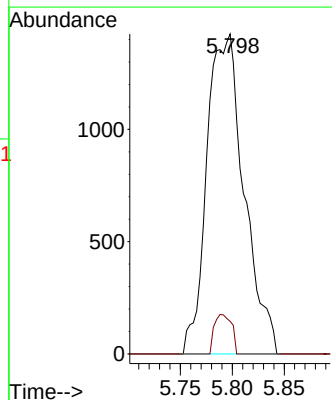
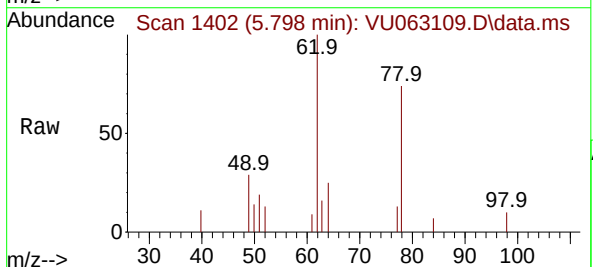
Acq: 03 Feb 2025 09:50

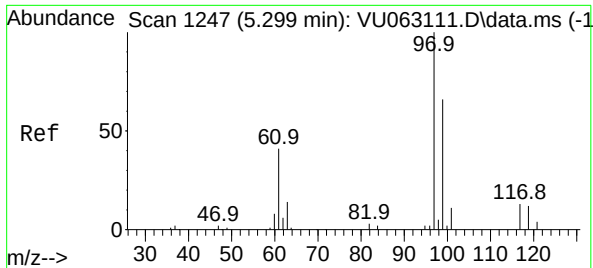
Tgt Ion: 62 Resp: 3544

Ion Ratio Lower Upper

62 100

98 10.2 8.6 12.8

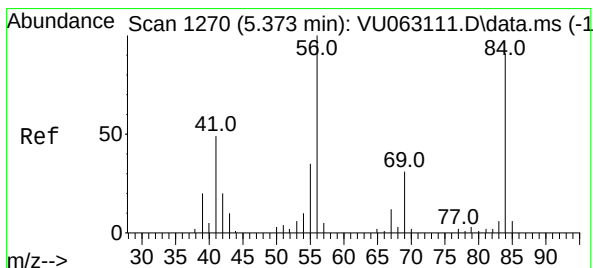
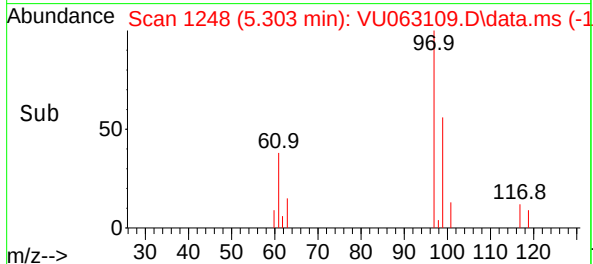
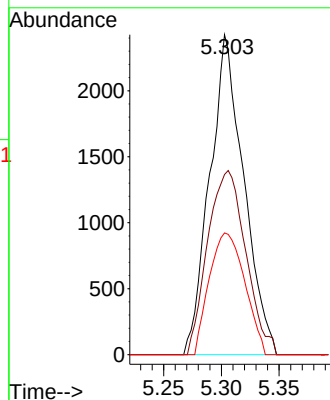
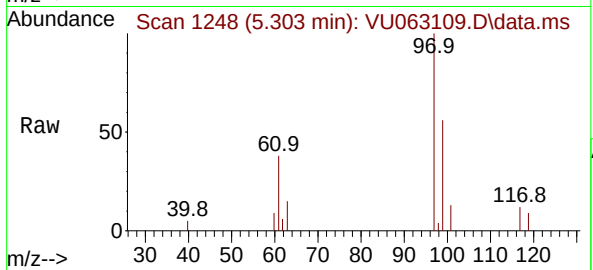




#29
1,1,1-Trichloroethane
Concen: 0.387 ug/L
RT: 5.303 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

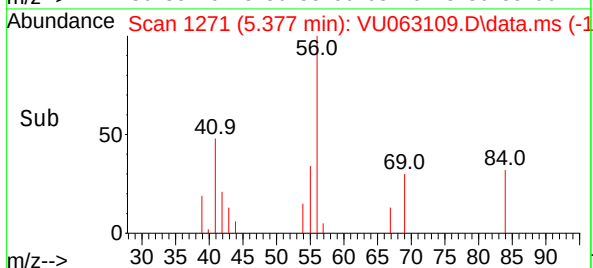
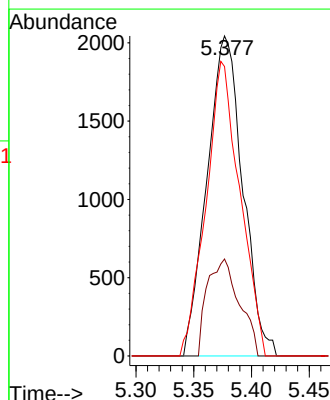
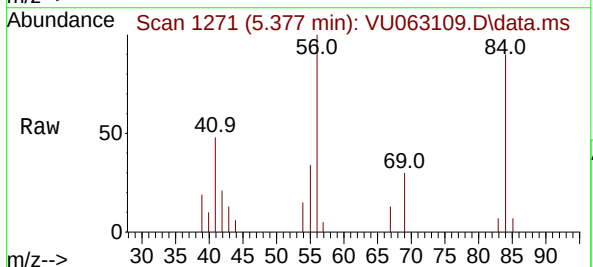
Instrument :
MSVOA_U
ClientSampleId :

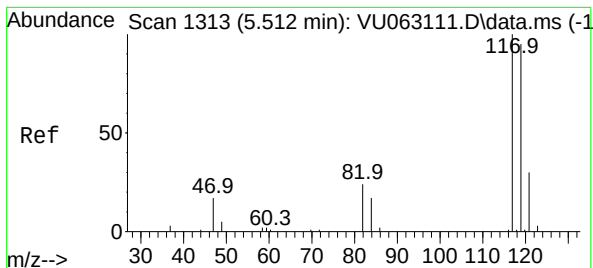
Tgt Ion:	97	Resp:	4972
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.3	78.5
61	39.6	33.2	49.8



#30
Cyclohexane
Concen: 0.626 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.003 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion:	56	Resp:	4397
Ion	Ratio	Lower	Upper
56	100		
69	27.1	25.1	37.7
84	87.3	71.4	107.2





#31

Carbon tetrachloride

Concen: 0.358 ug/L

RT: 5.508 min Scan# 1312

Delta R.T. -0.003 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

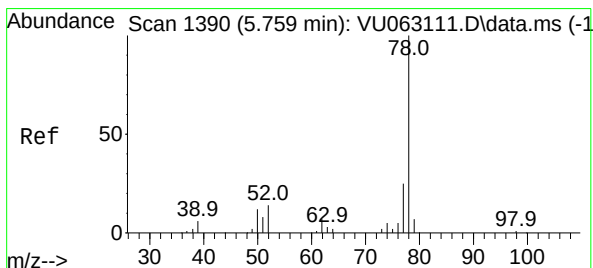
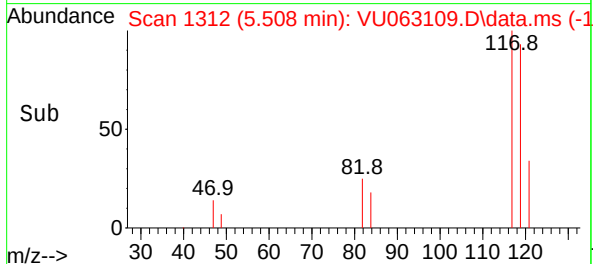
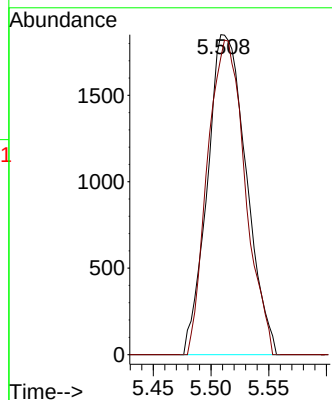
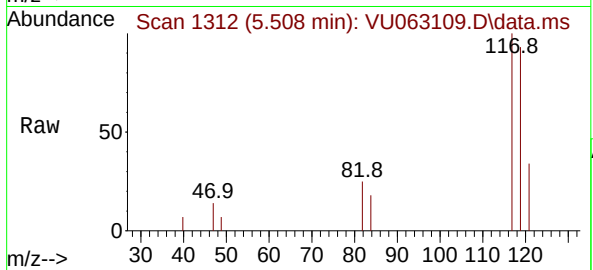
ClientSampleId :

Tgt Ion:117 Resp: 4327

Ion Ratio Lower Upper

117 100

119 95.0 77.0 115.6



#33

Benzene

Concen: 0.596 ug/L

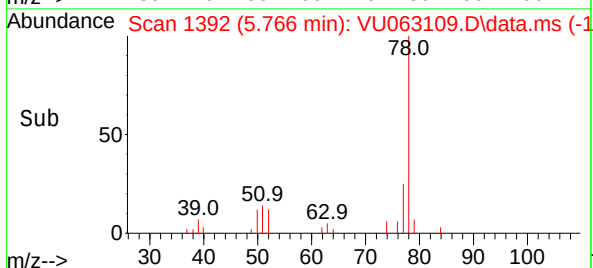
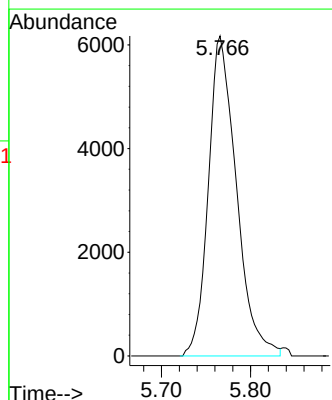
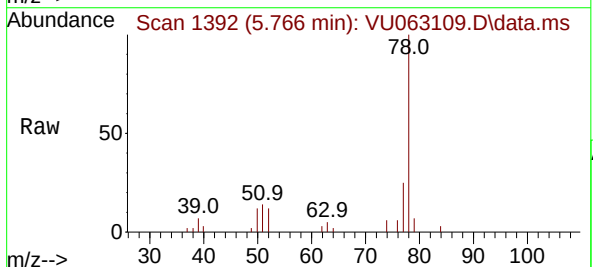
RT: 5.766 min Scan# 1392

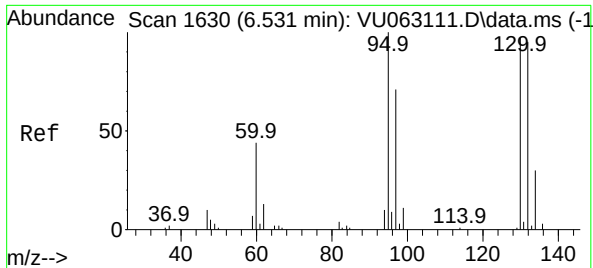
Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Tgt Ion: 78 Resp: 13481



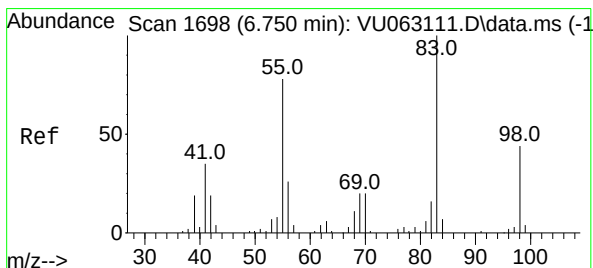
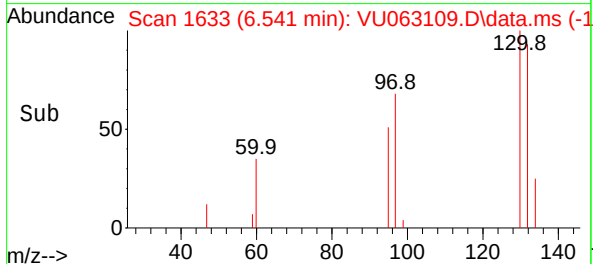
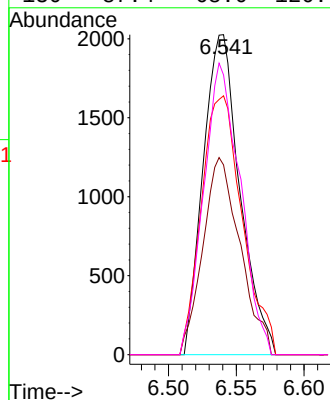
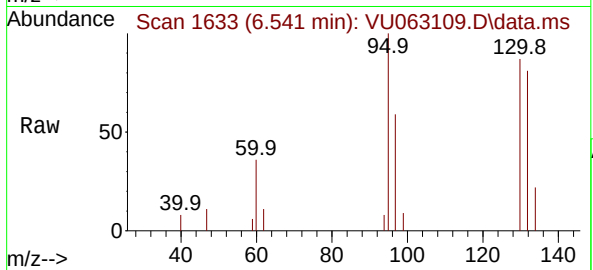


#34
Trichloroethene
Concen: 0.526 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.010 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 3824

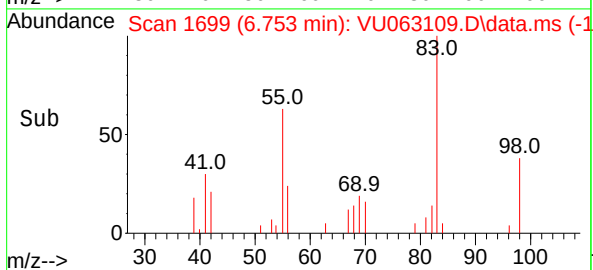
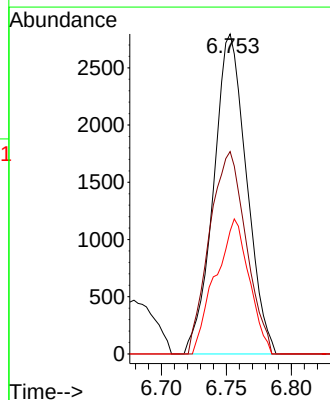
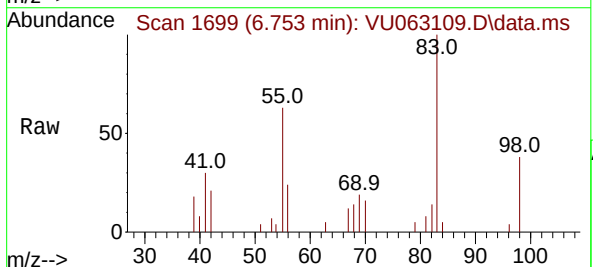
Ion	Ratio	Lower	Upper
95	100		
97	59.3	49.6	92.0
132	80.9	66.4	123.2
130	87.4	68.0	126.4

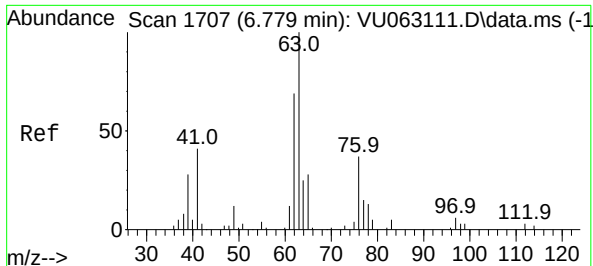


#35
Methylcyclohexane
Concen: 0.527 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion: 83 Resp: 4933

Ion	Ratio	Lower	Upper
83	100		
55	70.2	59.4	89.0
98	43.1	35.8	53.8





#37

1,2-Dichloropropane

Concen: 0.637 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

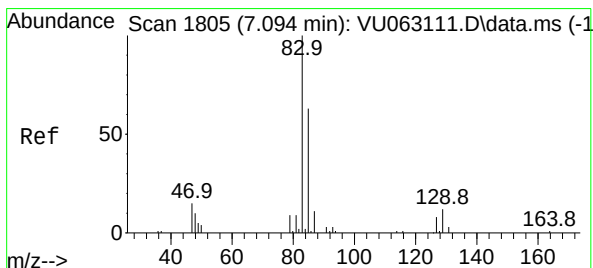
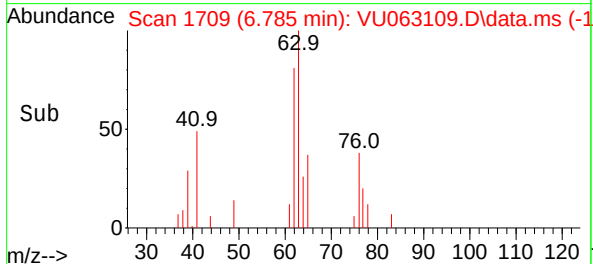
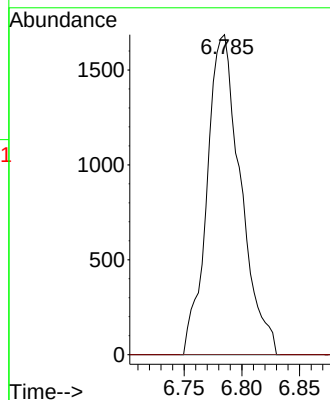
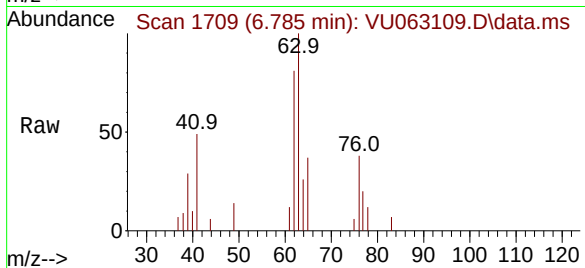
ClientSampleId :

Tgt Ion: 63 Resp: 3418

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#38

Bromodichloromethane

Concen: 0.436 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

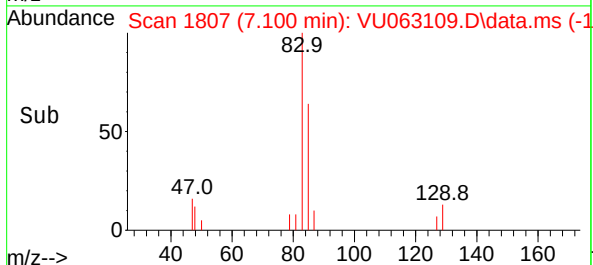
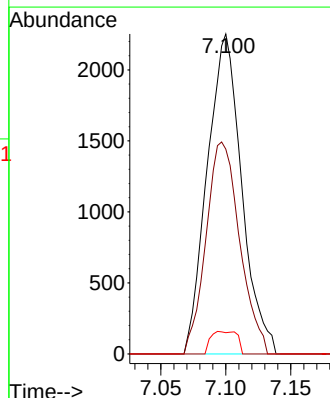
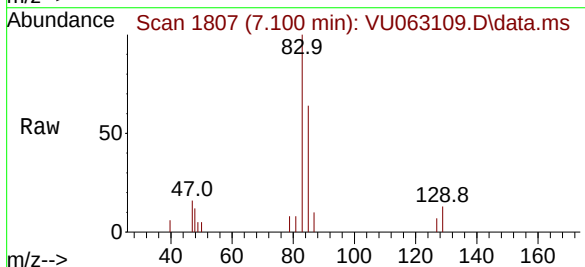
Tgt Ion: 83 Resp: 4146

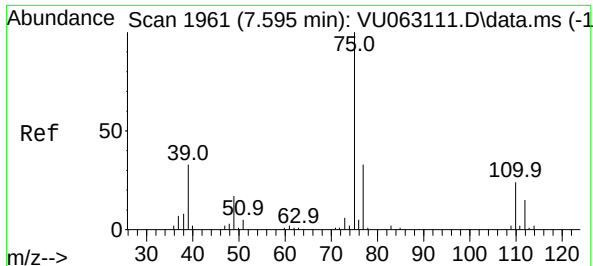
Ion Ratio Lower Upper

83 100

85 64.0 44.0 81.8

127 6.7 6.1 9.1

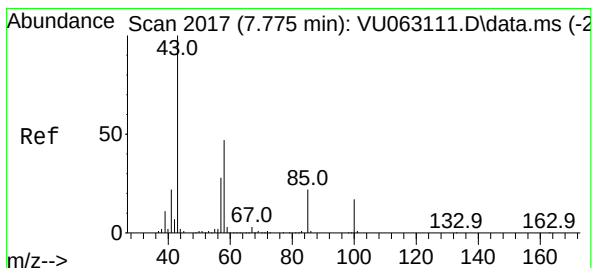
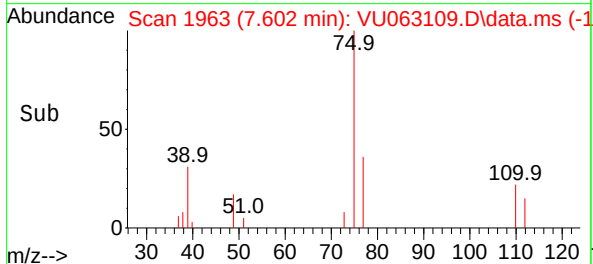
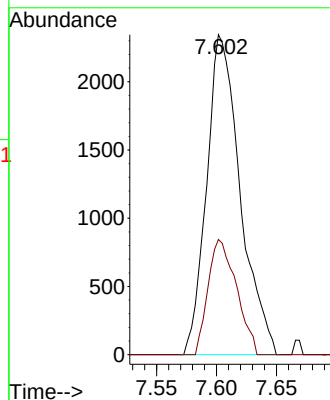
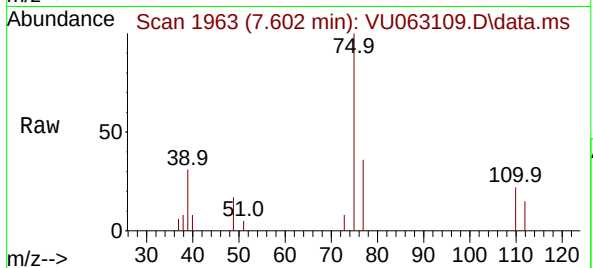




#39
 cis-1,3-Dichloropropene
 Concen: 0.487 ug/L
 RT: 7.602 min Scan# 1961
 Delta R.T. 0.006 min
 Lab File: VU063109.D
 Acq: 03 Feb 2025 09:50

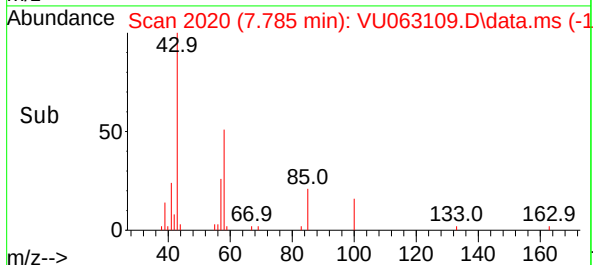
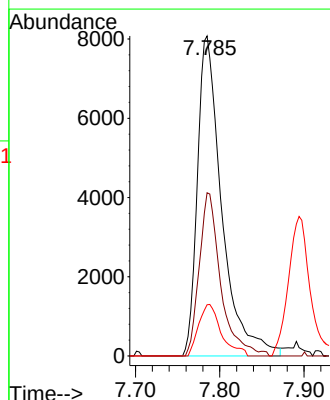
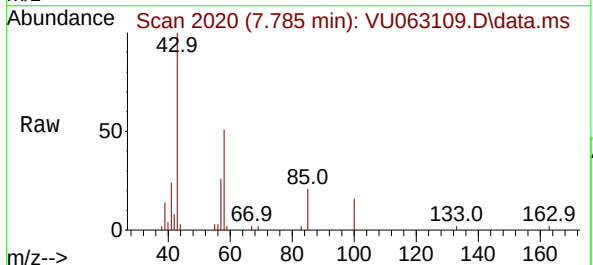
Instrument :
 MSVOA_U
 ClientSampleId :

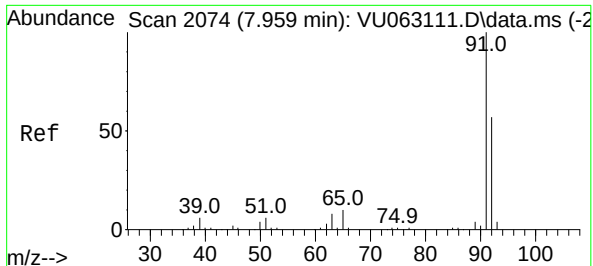
Tgt Ion: 75 Resp: 4567
 Ion Ratio Lower Upper
 75 100
 77 36.0 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 6.204 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.010 min
 Lab File: VU063109.D
 Acq: 03 Feb 2025 09:50

Tgt Ion: 43 Resp: 16266
 Ion Ratio Lower Upper
 43 100
 58 45.0 37.7 56.5
 100 15.0 13.7 20.5





#42

Toluene

Concen: 0.511 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

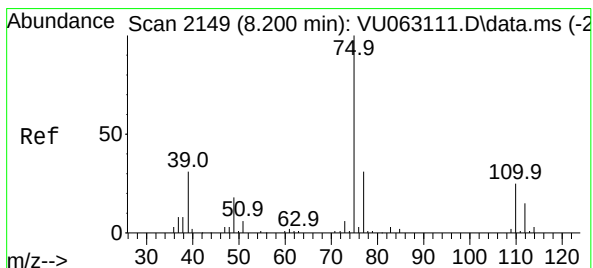
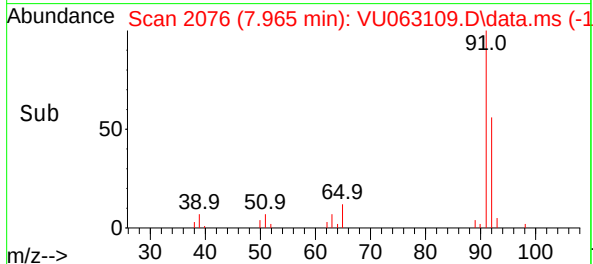
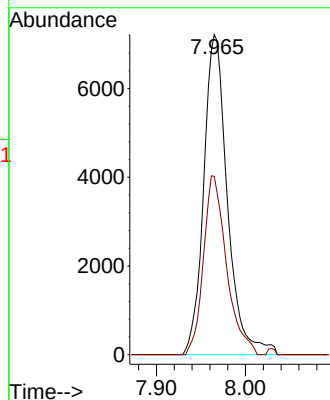
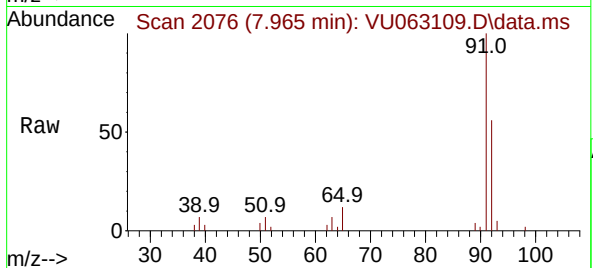
ClientSampleId :

Tgt Ion: 91 Resp: 13344

Ion Ratio Lower Upper

91 100

92 55.8 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 0.458 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU063109.D

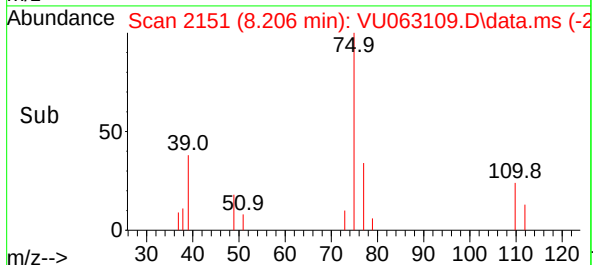
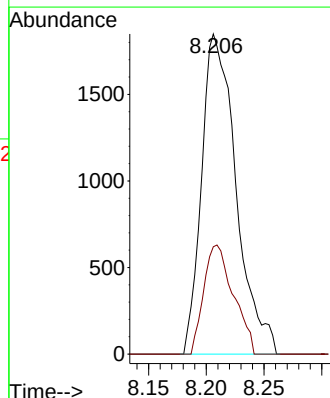
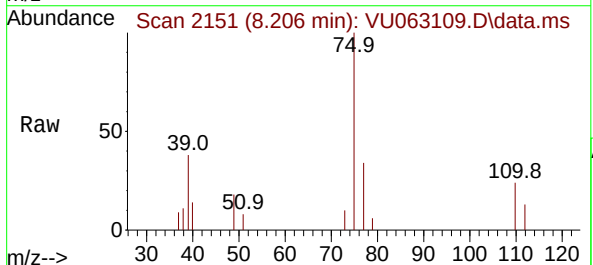
Acq: 03 Feb 2025 09:50

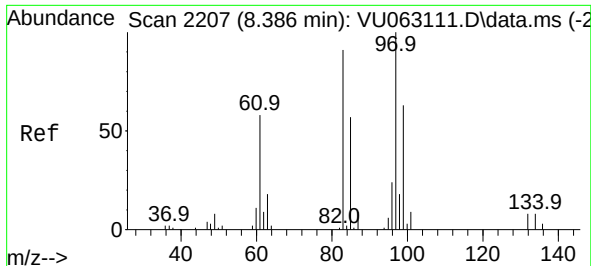
Tgt Ion: 75 Resp: 3837

Ion Ratio Lower Upper

75 100

77 33.5 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 0.575 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 2718

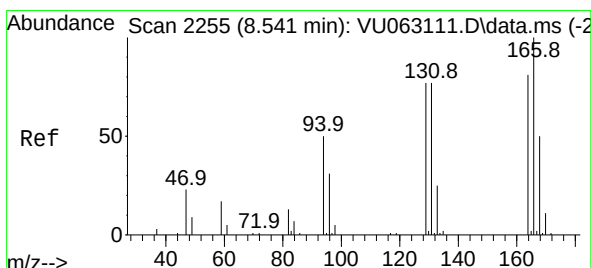
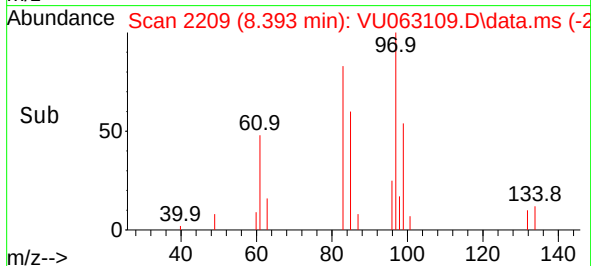
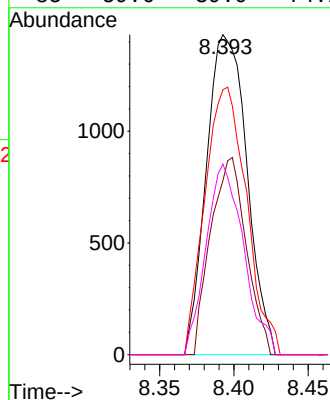
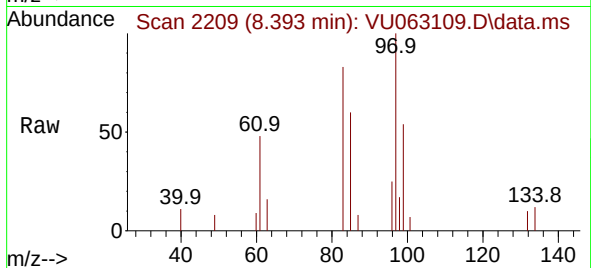
Ion Ratio Lower Upper

97 100

99 54.4 43.9 81.5

83 82.8 63.4 117.8

85 59.6 39.9 74.1



#47

Tetrachloroethene

Concen: 0.423 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Tgt Ion: 164 Resp: 2505

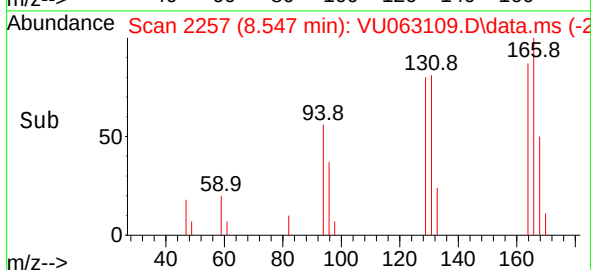
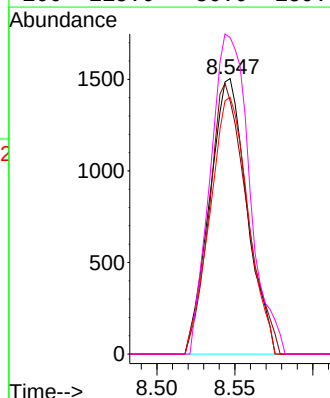
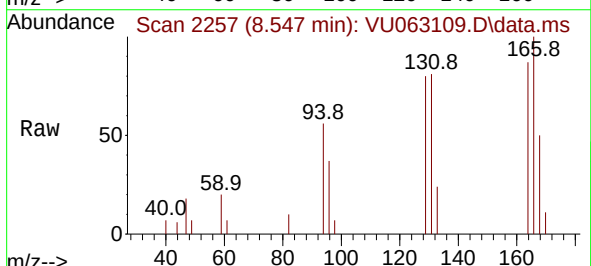
Ion Ratio Lower Upper

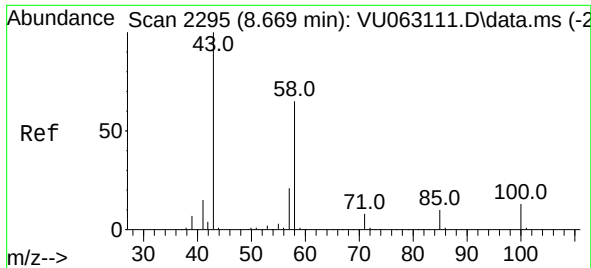
164 100

129 92.0 66.2 123.0

131 93.2 66.4 123.4

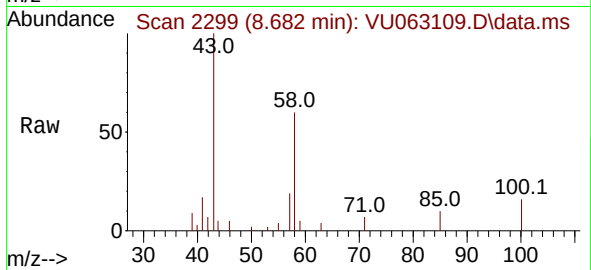
166 115.0 86.0 159.8



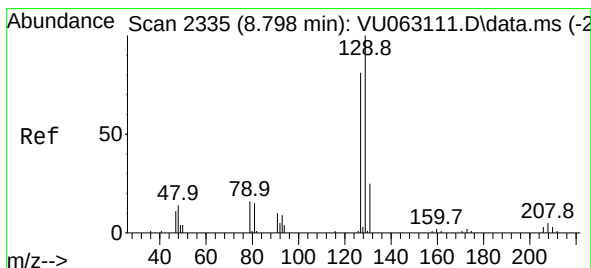
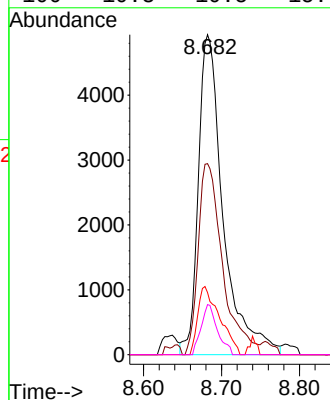
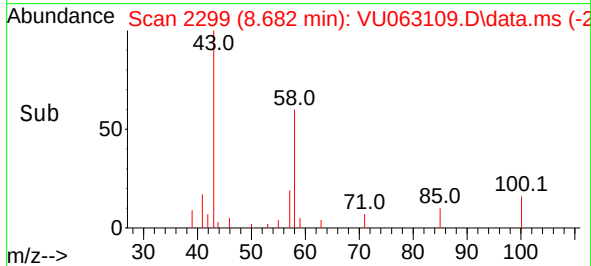


#48
2-Hexanone
Concen: 5.963 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.013 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Instrument :
MSVOA_U
ClientSampleId :

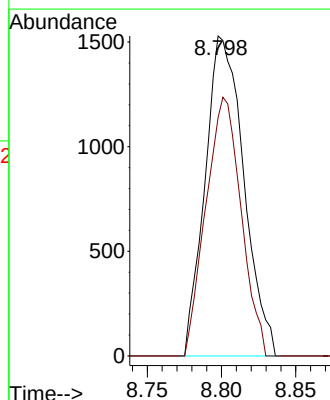
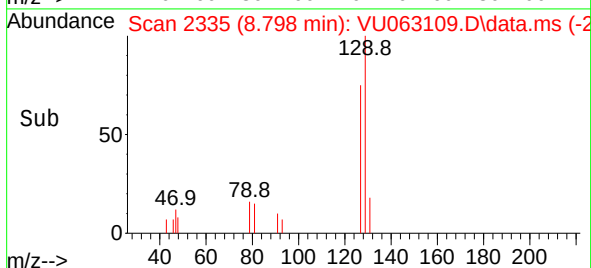
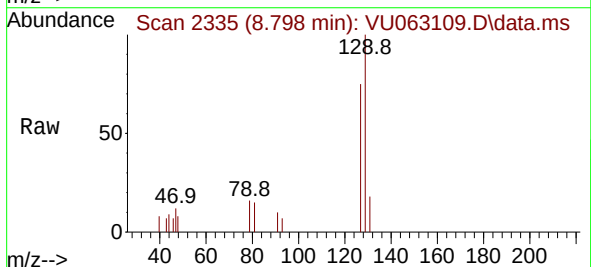


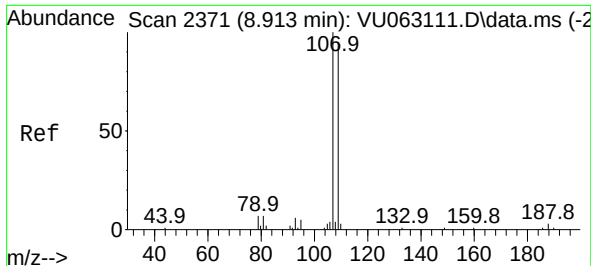
Tgt Ion: 43 Resp: 10917
Ion Ratio Lower Upper
43 100
58 58.7 50.0 75.0
57 18.7 16.6 24.8
100 10.3 10.5 15.7#



#49
Dibromochloromethane
Concen: 0.411 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion: 129 Resp: 2770
Ion Ratio Lower Upper
129 100
127 74.6 56.8 105.4





#50

1,2-Dibromoethane

Concen: 0.479 ug/L

RT: 8.920 min Scan# 24

Delta R.T. 0.006 min

Lab File: VU063109.D

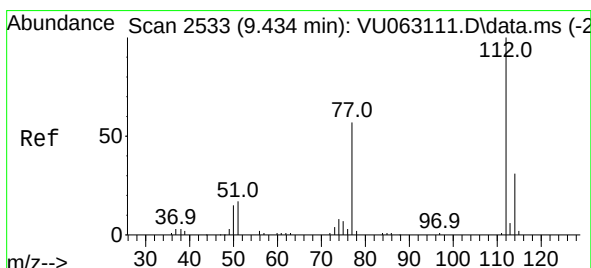
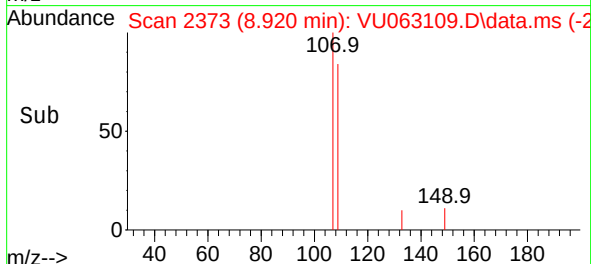
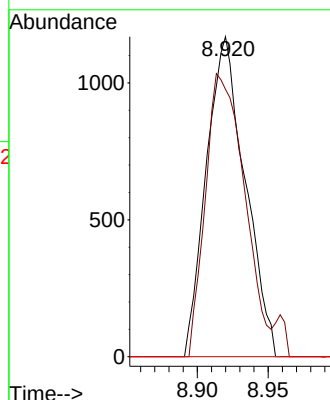
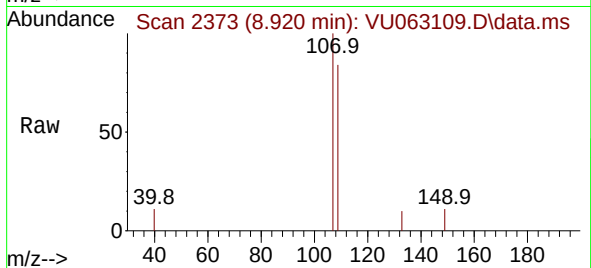
Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	2222
Ion Ratio	Lower	Upper	
107	100		
109	83.6	66.3	123.1
188	0.0	2.6	4.0#



#51

Chlorobenzene

Concen: 0.470 ug/L

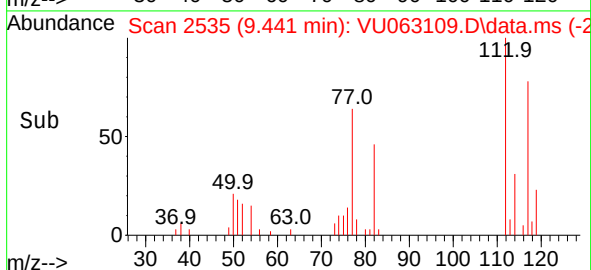
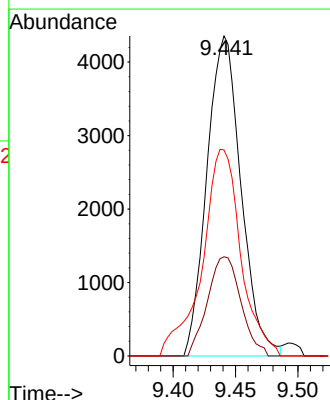
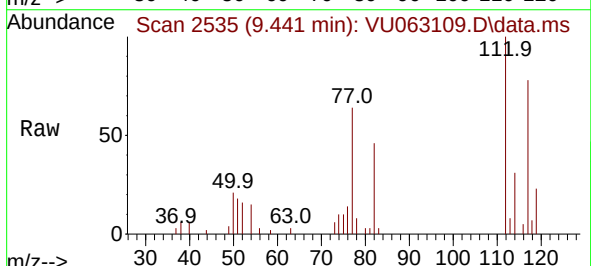
RT: 9.441 min Scan# 2535

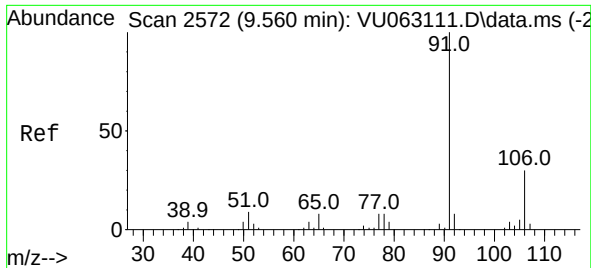
Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Tgt Ion:	112	Resp:	8295
Ion Ratio	Lower	Upper	
112	100		
114	31.0	21.6	40.2
77	64.3	45.8	68.8

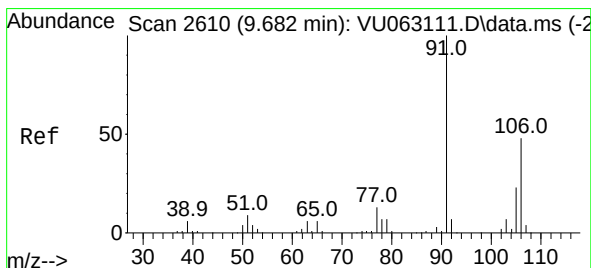
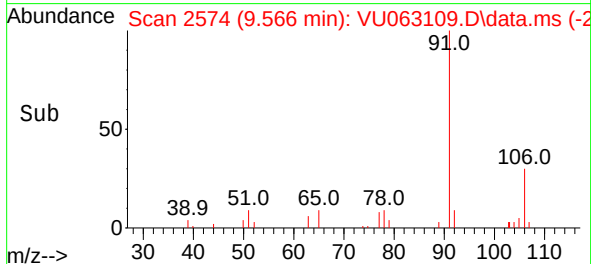
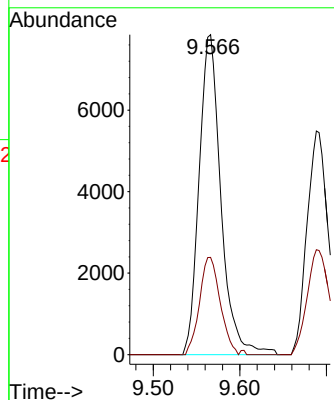
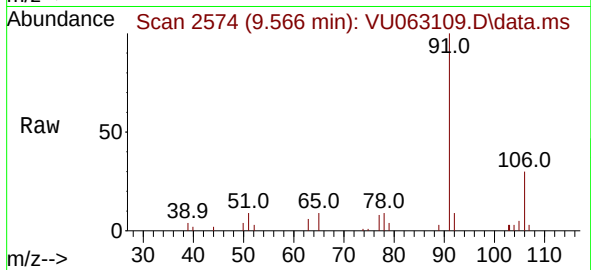




#52
Ethylbenzene
Concen: 0.459 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.006 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

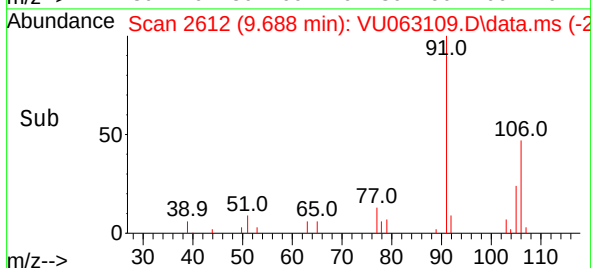
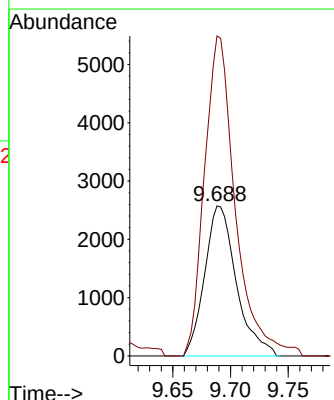
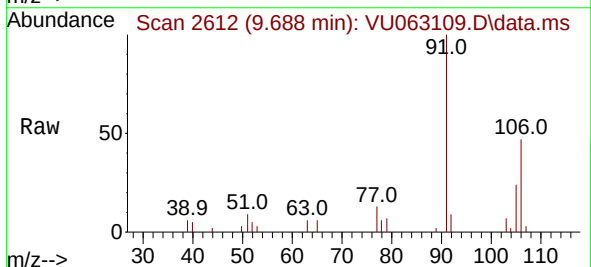
Instrument :
MSVOA_U
ClientSampleId :

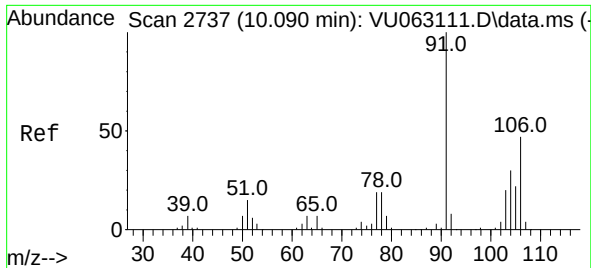
Tgt Ion: 91 Resp: 13700
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 0.433 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.006 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion:106 Resp: 4908
Ion Ratio Lower Upper
106 100
91 213.3 147.7 274.3

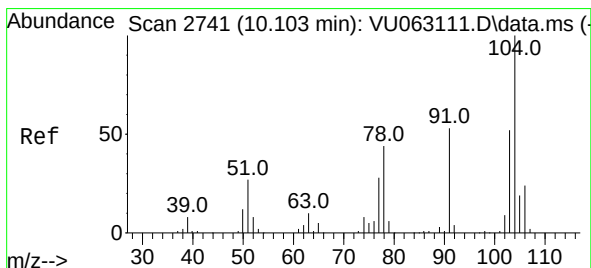
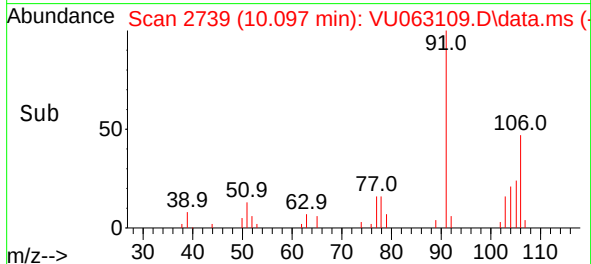
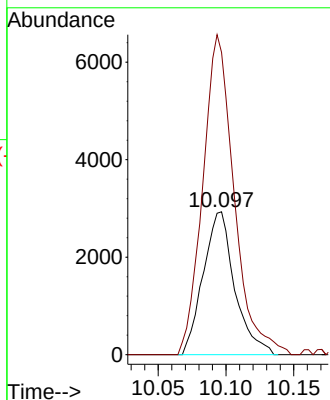
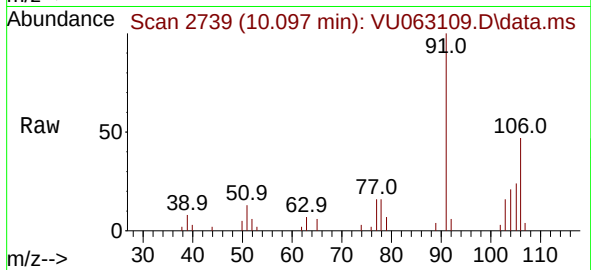




#54
o-Xylene
Concen: 0.450 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

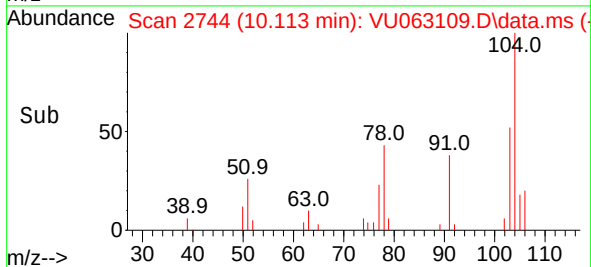
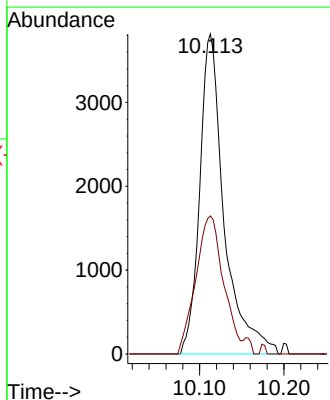
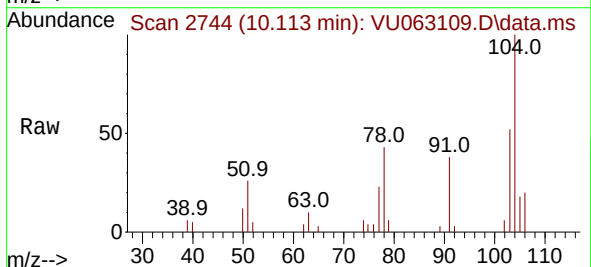
Instrument :
MSVOA_U
ClientSampleId :

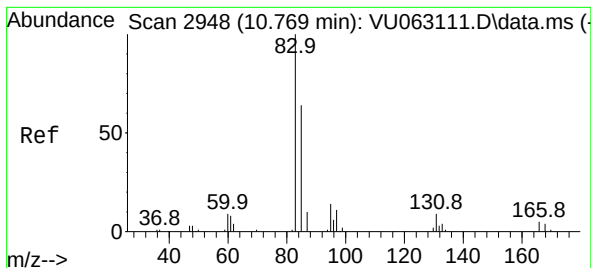
Tgt Ion:106 Resp: 4739
Ion Ratio Lower Upper
106 100
91 211.7 149.9 278.5



#55
Styrene
Concen: 0.432 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.010 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion:104 Resp: 7688
Ion Ratio Lower Upper
104 100
78 43.1 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.595 ug/L

RT: 10.775 min Scan# 2948

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

ClientSampleId :

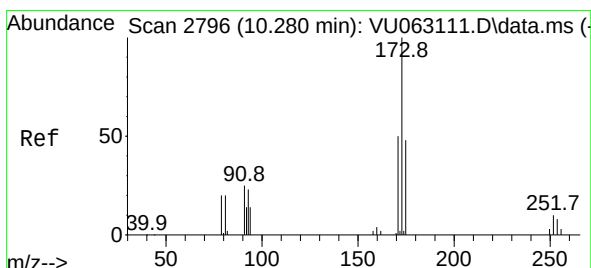
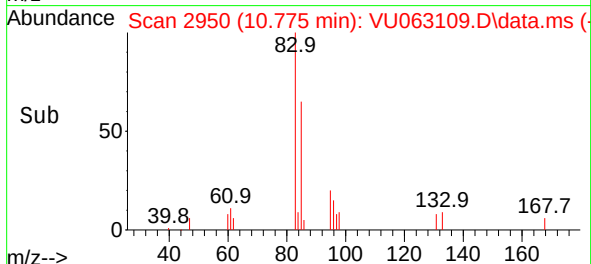
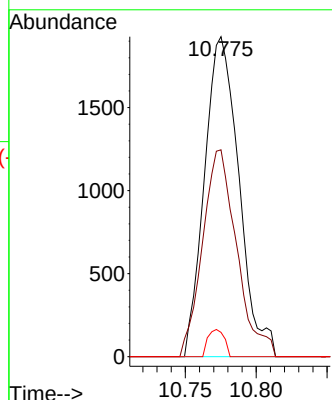
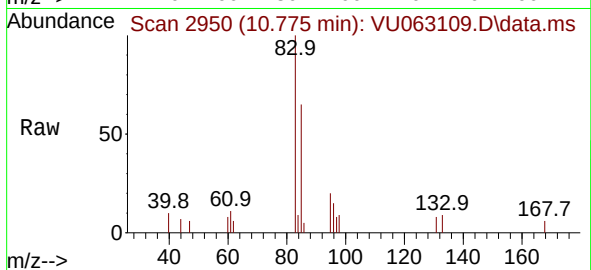
Tgt Ion: 83 Resp: 3251

Ion Ratio Lower Upper

83 100

85 64.7 45.2 84.0

131 7.6 7.4 11.0



#59

Bromoform

Concen: 0.426 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.003 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

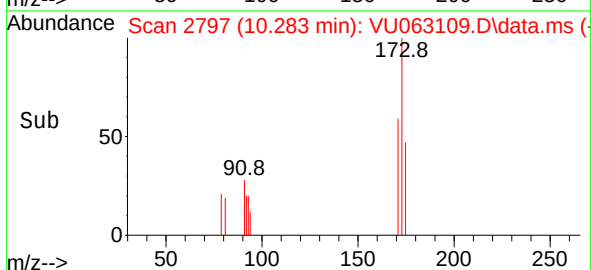
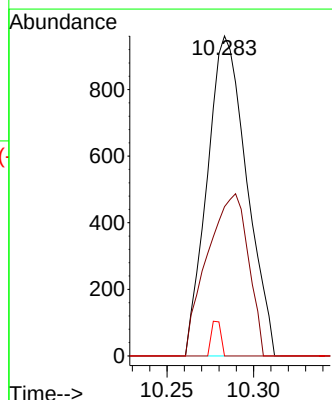
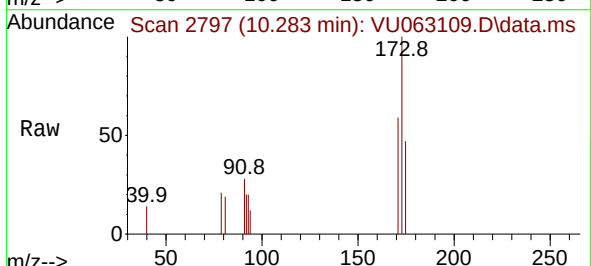
Tgt Ion:173 Resp: 1521

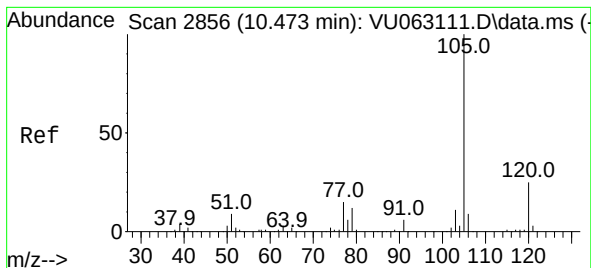
Ion Ratio Lower Upper

173 100

175 52.7 38.6 58.0

254 2.6 6.5 9.7#





#60

Isopropylbenzene

Concen: 0.516 ug/L

RT: 10.476 min Scan# 2856

Delta R.T. 0.003 min

Lab File: VU063109.D

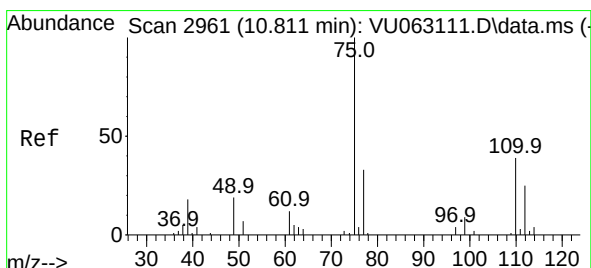
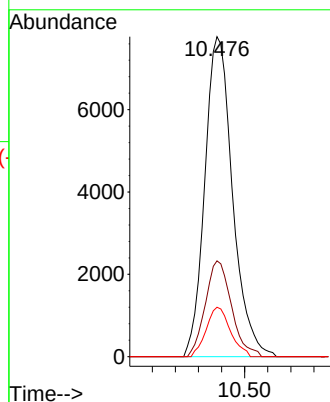
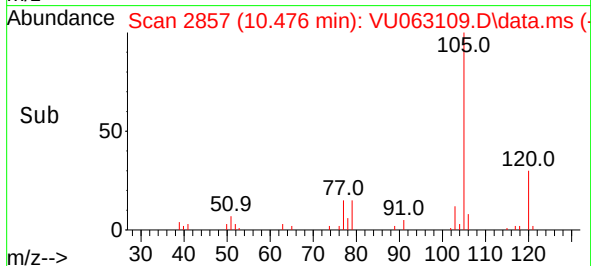
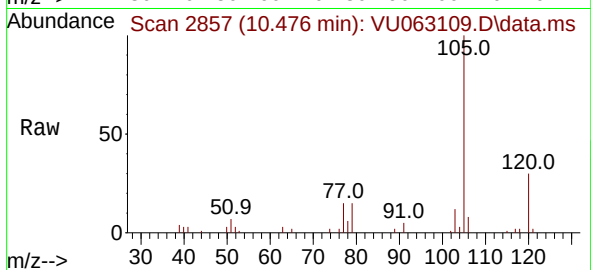
Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	12968
Ion Ratio	Lower	Upper	
105	100		
120	28.2	20.5	30.7
77	13.4	12.4	18.6



#61

1,2,3-Trichloropropane

Concen: 0.610 ug/L

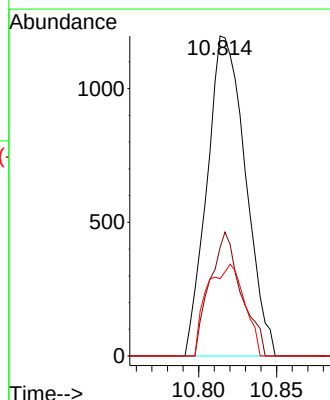
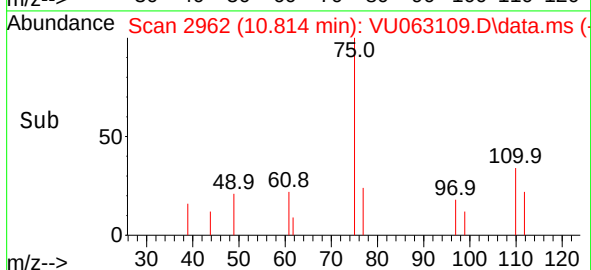
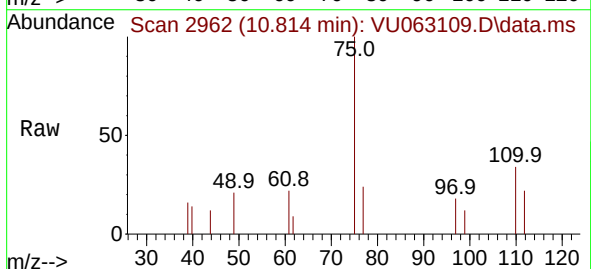
RT: 10.814 min Scan# 2962

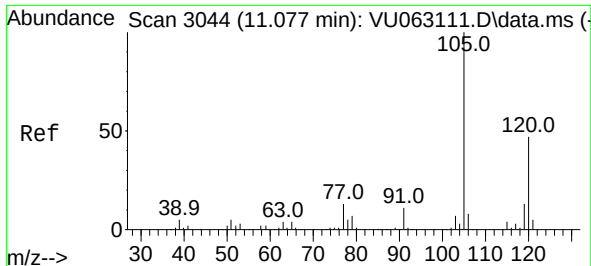
Delta R.T. 0.003 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Tgt Ion:	75	Resp:	2046
Ion Ratio	Lower	Upper	
75	100		
110	31.7	30.0	45.0
77	27.8	26.3	39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.445 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

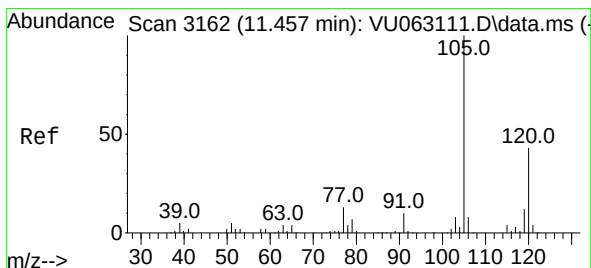
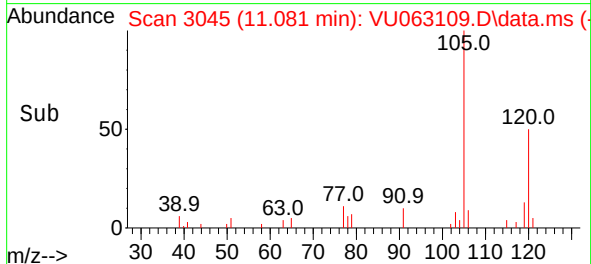
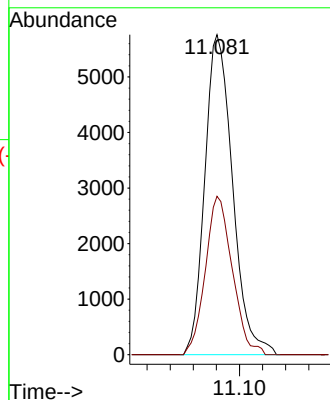
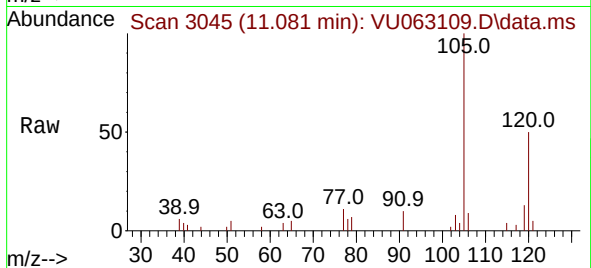
ClientSampleId :

Tgt Ion:105 Resp: 9611

Ion Ratio Lower Upper

105 100

120 48.0 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 0.403 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.006 min

Lab File: VU063109.D

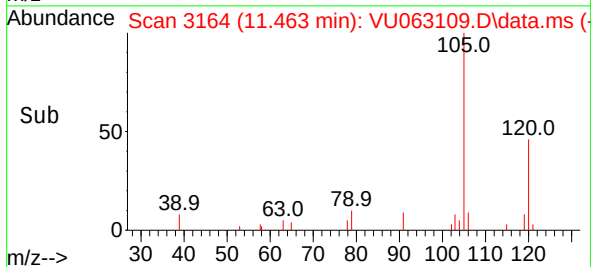
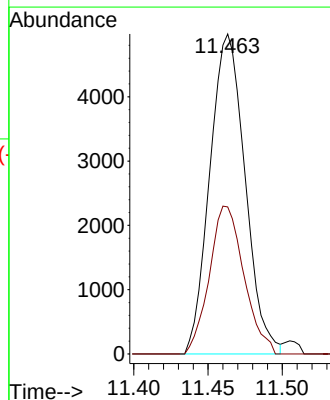
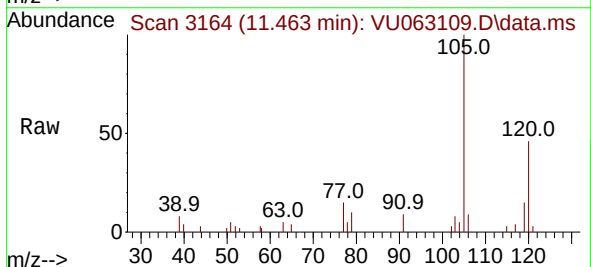
Acq: 03 Feb 2025 09:50

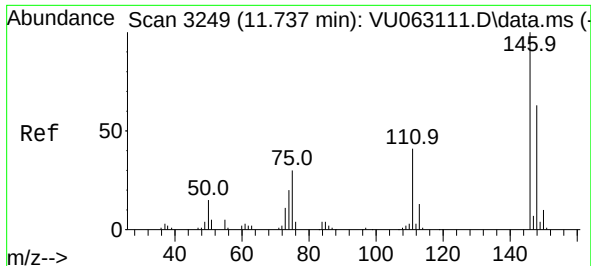
Tgt Ion:105 Resp: 8202

Ion Ratio Lower Upper

105 100

120 45.4 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 0.473 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.006 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

ClientSampleId :

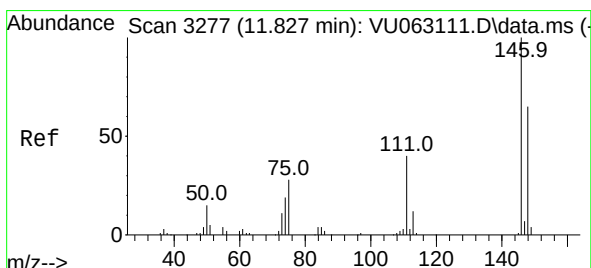
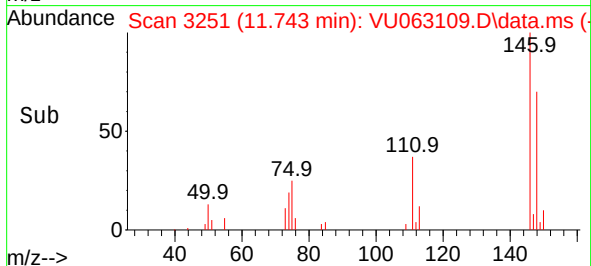
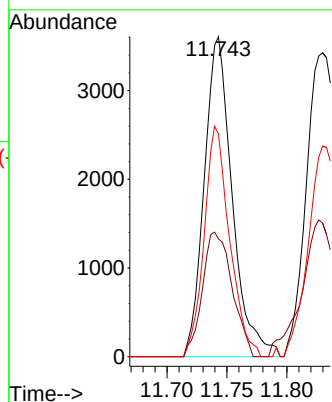
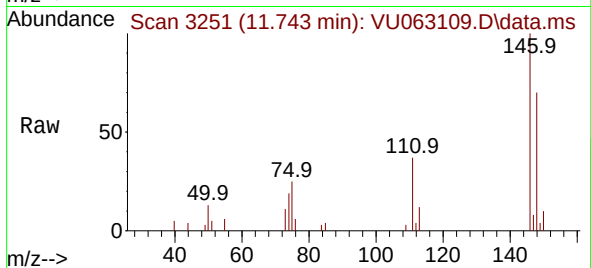
Tgt Ion:146 Resp: 5854

Ion Ratio Lower Upper

146 100

111 36.8 28.6 53.0

148 69.6 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 0.533 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

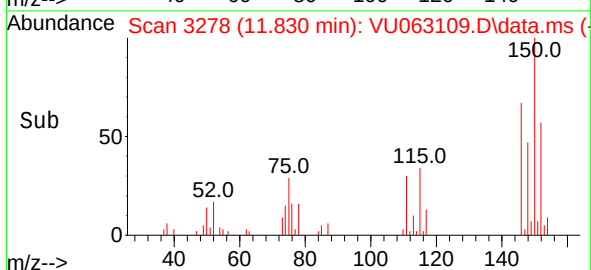
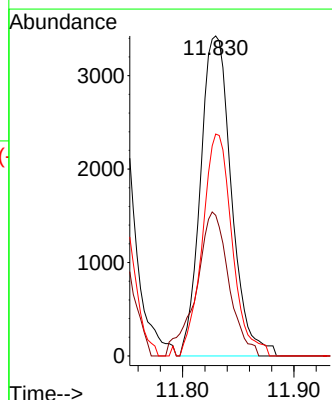
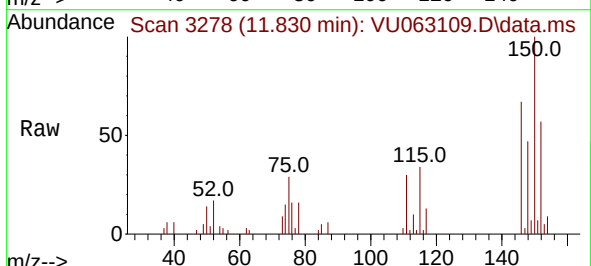
Tgt Ion:146 Resp: 6600

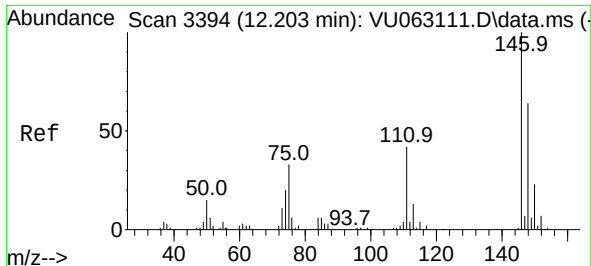
Ion Ratio Lower Upper

146 100

111 44.0 28.1 52.1

148 69.3 45.4 84.2

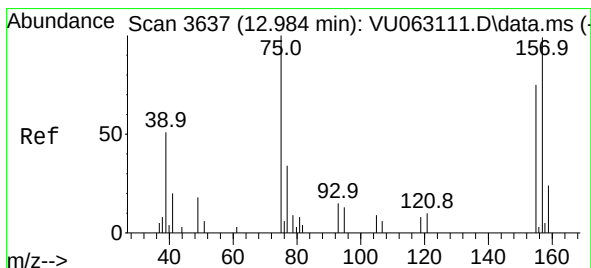
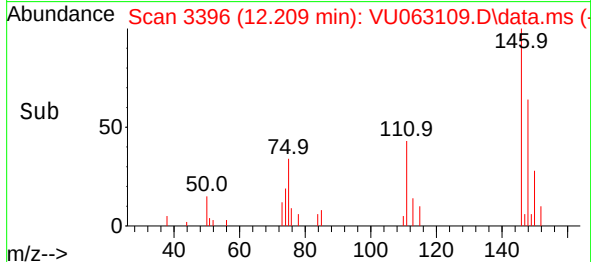
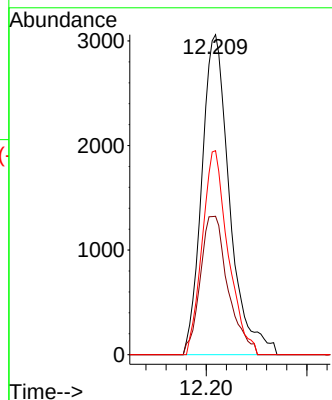
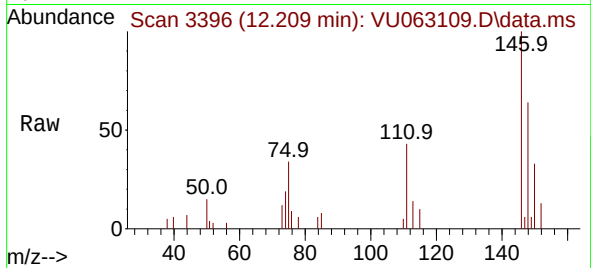




#67
1,2-Dichlorobenzene
Concen: 0.501 ug/L
RT: 12.209 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

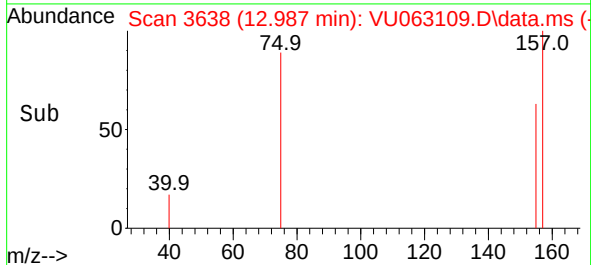
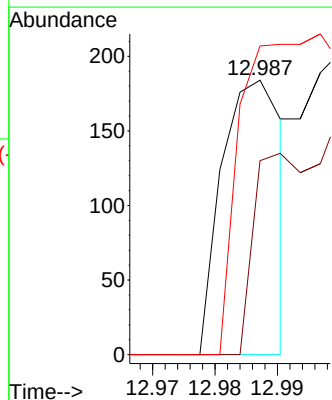
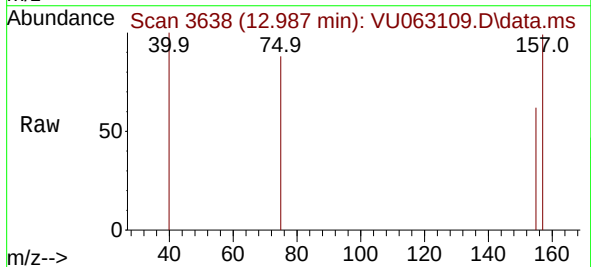
Instrument :
MSVOA_U
ClientSampleId :

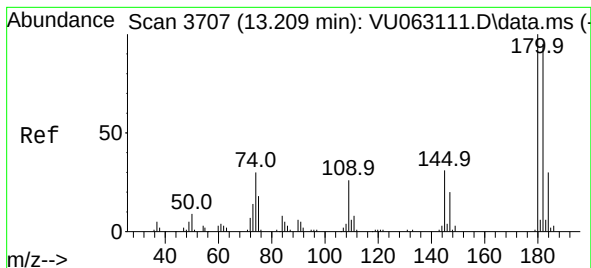
Tgt Ion:146 Resp: 5864
Ion Ratio Lower Upper
146 100
111 43.2 33.8 50.8
148 63.8 51.5 77.3



#68
1,2-Dibromo-3-chloropropane
Concen: 0.148 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion: 75 Resp: 124
Ion Ratio Lower Upper
75 100
155 70.7 59.9 89.9
157 112.5 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 0.451 ug/L

RT: 13.216 min Scan# 3

Delta R.T. 0.006 min

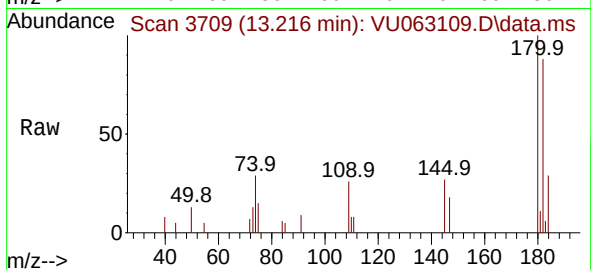
Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 4331

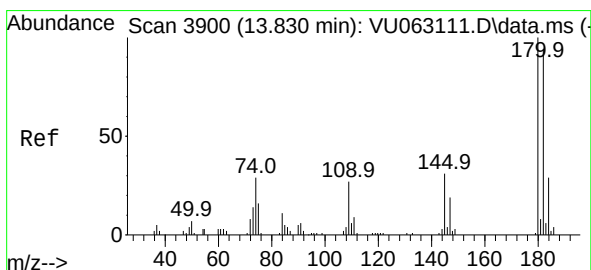
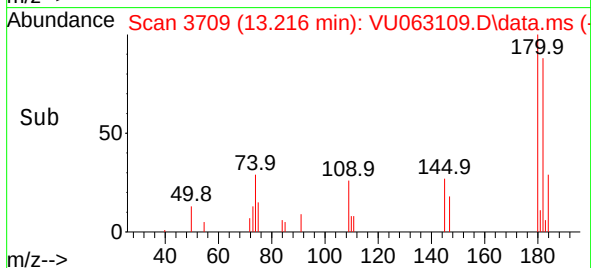
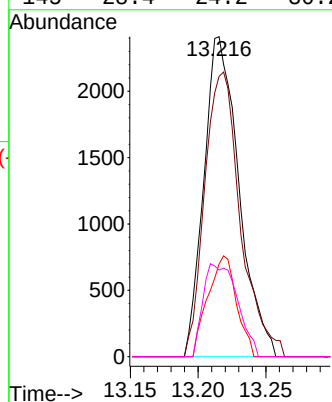
Ion Ratio Lower Upper

180 100

182 90.6 77.8 116.8

184 25.7 24.6 37.0

145 28.4 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 0.375 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.010 min

Lab File: VU063109.D

Acq: 03 Feb 2025 09:50

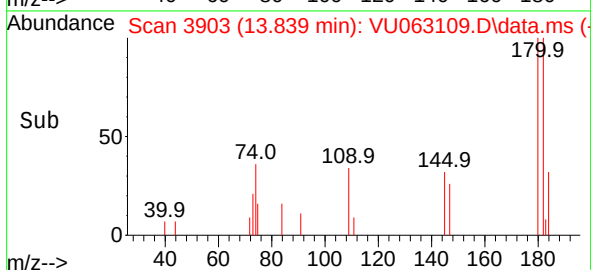
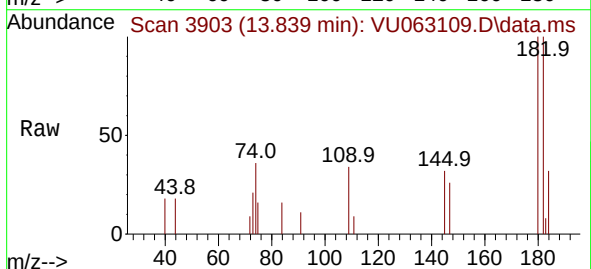
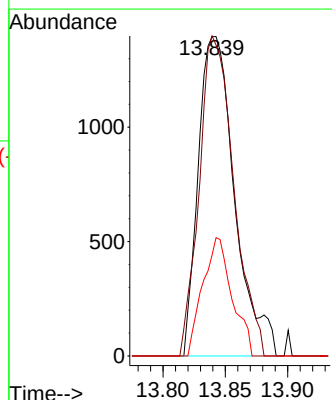
Tgt Ion:180 Resp: 2839

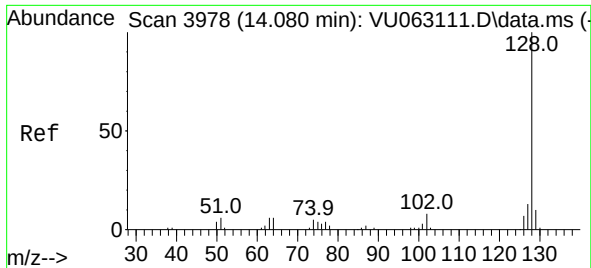
Ion Ratio Lower Upper

180 100

182 95.0 74.4 111.6

145 29.8 25.1 37.7

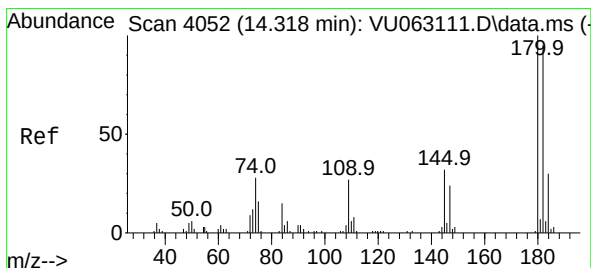
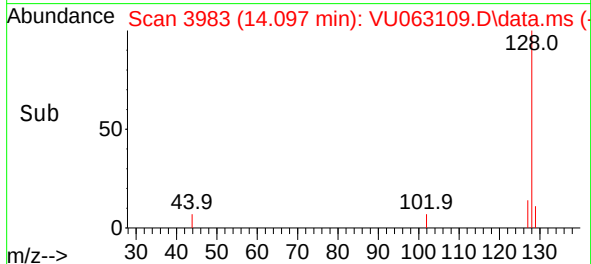
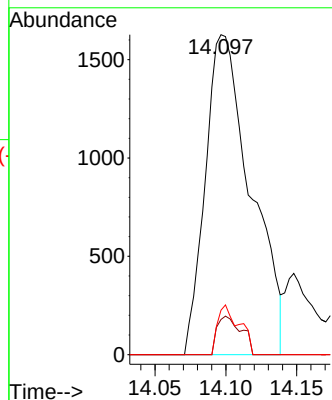
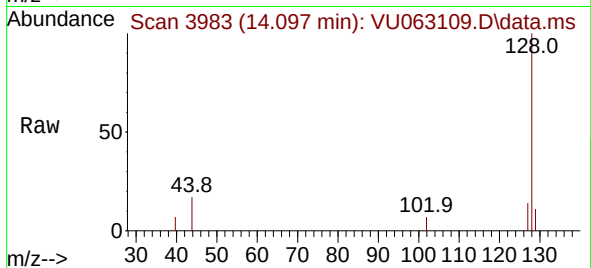




#71
Naphthalene
Concen: 0.359 ug/L
RT: 14.097 min Scan# 3978
Delta R.T. 0.016 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 3635
Ion Ratio Lower Upper
128 100
129 6.4 8.2 12.2#
127 7.4 10.5 15.7#



#72
1,2,3-Trichlorobenzene
Concen: 0.389 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.010 min
Lab File: VU063109.D
Acq: 03 Feb 2025 09:50

Tgt Ion:180 Resp: 2551
Ion Ratio Lower Upper
180 100
182 92.3 77.0 115.6
145 30.7 25.6 38.4

