

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063101.D
 Acq On : 30 Jan 2025 15:36
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 31 07:50:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM013025WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:44:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	173002	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	160422	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	74373	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	59584	47.274	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.540%
7) Chloroethane-d5	1.901	69	35618	51.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.460%
11) 1,1-Dichloroethene-d2	2.557	63	105895	48.091	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.180%
21) 2-Butanone-d5	4.605	46	78428	96.409	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.410%
24) Chloroform-d	5.049	84	106402	45.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.720%
26) 1,2-Dichloroethane-d4	5.685	65	62311	47.217	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.440%
32) Benzene-d6	5.714	84	220897	46.235	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.460%
36) 1,2-Dichloropropane-d6	6.676	67	70628	45.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.360%
41) Toluene-d8	7.888	98	200909	46.446	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
43) trans-1,3-Dichloroprop...	8.168	79	34212	47.566	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.140%
47) 2-Hexanone-d5	8.621	63	60704	90.593	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.590%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	102703	44.791	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.580%
66) 1,2-Dichlorobenzene-d4	12.184	152	72744	50.786	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.580%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	61612	47.759	ug/L	98
3) Chloromethane	1.518	50	63947	47.651	ug/L	99
5) Vinyl chloride	1.599	62	73706	47.879	ug/L	98
6) Bromomethane	1.843	94	31704	65.861	ug/L	96
8) Chloroethane	1.923	64	30723	51.761	ug/L	99
9) Trichlorofluoromethane	2.129	101	77833	45.589	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	56513	47.207	ug/L	99
12) 1,1-Dichloroethene	2.570	96	54723	46.402	ug/L	95
13) Acetone	2.612	43	49327	96.962	ug/L	92
14) Carbon disulfide	2.782	76	174743	48.130	ug/L	98
15) Methyl Acetate	2.936	43	56943	46.732	ug/L	95
16) Methylene chloride	3.033	84	60476	44.536	ug/L	94
17) trans-1,2-Dichloroethene	3.341	96	56392	46.769	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	171543	46.077	ug/L	98
19) 1,1-Dichloroethane	3.853	63	100811	45.634	ug/L	96
20) cis-1,2-Dichloroethene	4.653	96	65175	47.607	ug/L	98
22) 2-Butanone	4.682	43	77860	93.704	ug/L	96
23) Bromochloromethane	4.959	128	32016	46.004	ug/L	94
25) Chloroform	5.074	83	103924	46.173	ug/L	98

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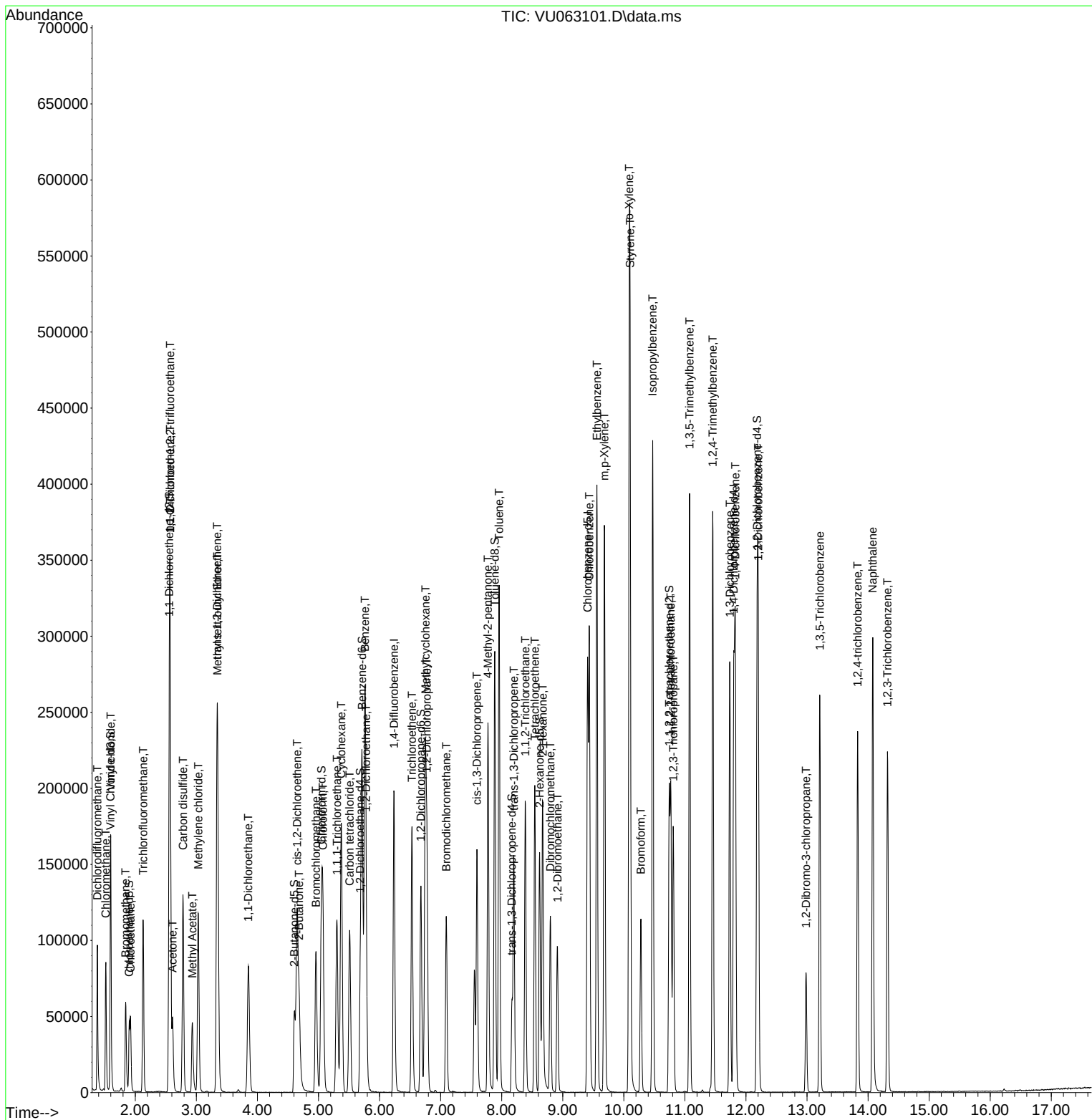
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 ClientSampleId :

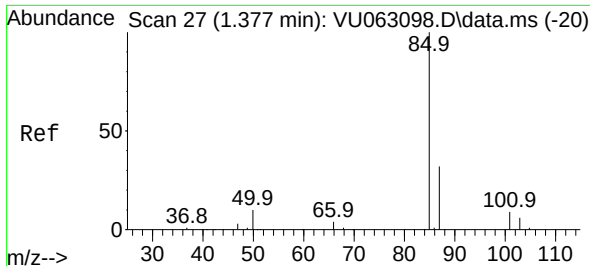
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:44:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	75359	46.233	ug/L	99
29) Cyclohexane	5.373	56	96717	47.451	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	86402	44.683	ug/L	98
31) Carbon tetrachloride	5.512	117	75889	45.468	ug/L	99
33) Benzene	5.759	78	237159	46.015	ug/L	100
34) Trichloroethene	6.531	95	62022	44.480	ug/L	93
35) Methylcyclohexane	6.753	83	97306	45.513	ug/L	99
37) 1,2-Dichloropropane	6.775	63	62692	44.306	ug/L	100
38) Bromodichloromethane	7.094	83	77841	46.456	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	102207	48.354	ug/L	100
40) 4-Methyl-2-pentanone	7.775	43	149847	88.670	ug/L	100
42) Toluene	7.959	91	253820	46.699	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	92567	47.142	ug/L	99
45) 1,1,2-Trichloroethane	8.386	97	62921	46.716	ug/L	96
46) Tetrachloroethene	8.544	164	45638	46.322	ug/L	99
48) 2-Hexanone	8.672	43	118448	91.999	ug/L	98
49) Dibromochloromethane	8.798	129	61817	45.294	ug/L	100
50) 1,2-Dibromoethane	8.914	107	67025	46.070	ug/L	95
51) Chlorobenzene	9.434	112	171845	50.650	ug/L	99
52) Ethylbenzene	9.560	91	293529	49.898	ug/L	99
53) m,p-Xylene	9.682	106	111397	50.718	ug/L	97
54) o-Xylene	10.090	106	109737	49.581	ug/L	98
55) Styrene	10.103	104	189669	50.430	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	104080	43.767	ug/L	100
59) Bromoform	10.280	173	53817	54.029	ug/L	99
60) 1,2,3-Trichloropropane	10.811	75	77037	48.588	ug/L	99
61) Isopropylbenzene	10.473	105	286982	56.540	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	218212	52.561	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	216953	52.551	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	120678	49.636	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	127229	50.499	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	118732	49.502	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	21168	49.362	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	83685	51.141	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	74736	53.080	ug/L	99
71) Naphthalene	14.077	128	252412	57.802	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	71789	52.750	ug/L	98

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

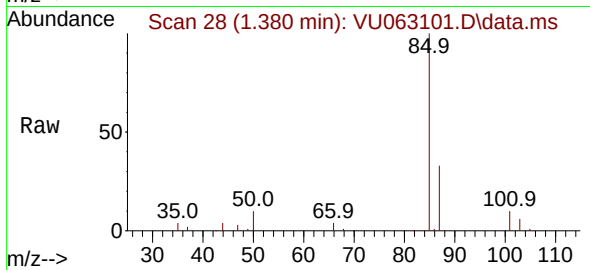
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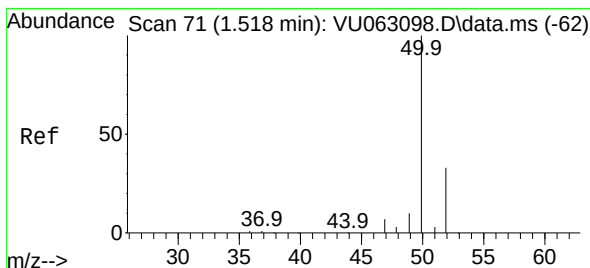
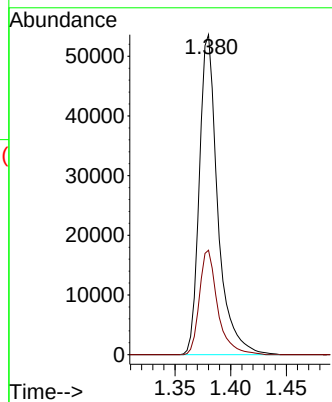
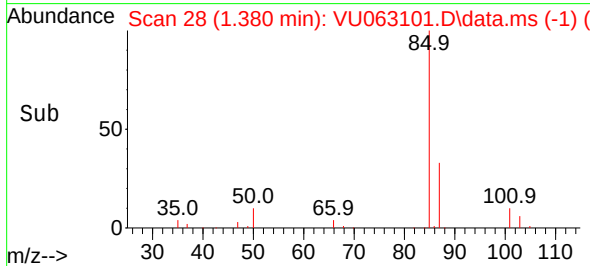


#2
Dichlorodifluoromethane
Concen: 47.759 ug/L
RT: 1.380 min Scan# 27
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Instrument :
MSVOA_U
ClientSampleId :

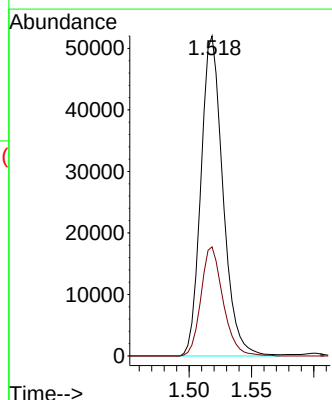
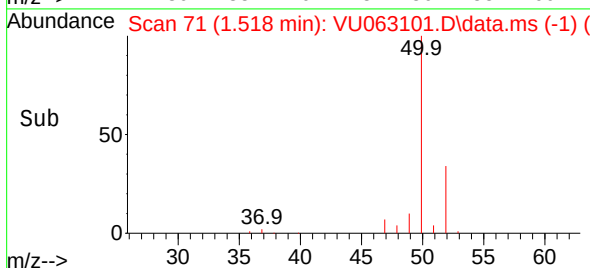
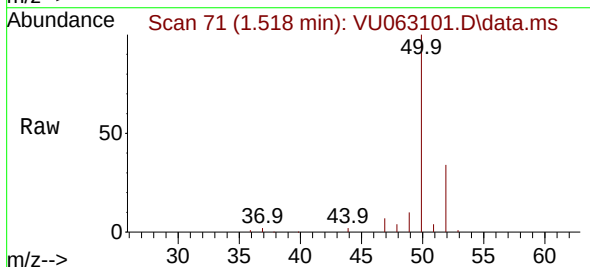


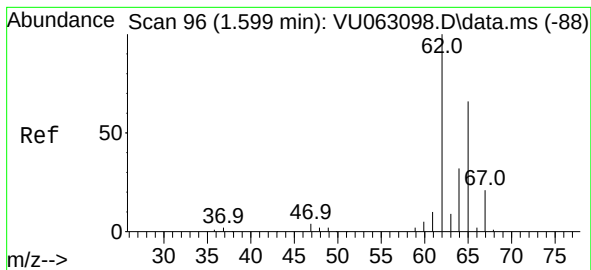
Tgt Ion: 85 Resp: 61612
Ion Ratio Lower Upper
85 100
87 32.4 25.2 37.8



#3
Chloromethane
Concen: 47.651 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion: 50 Resp: 63947
Ion Ratio Lower Upper
50 100
52 34.1 23.4 43.4





#5

Vinyl chloride

Concen: 47.879 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

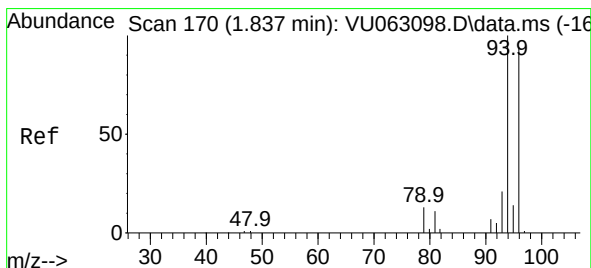
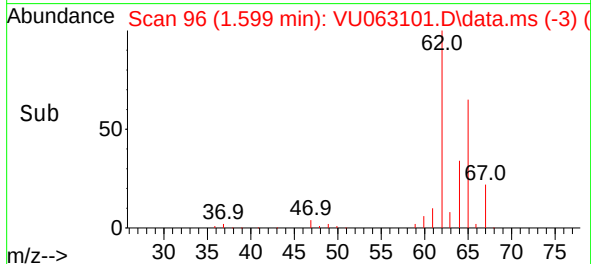
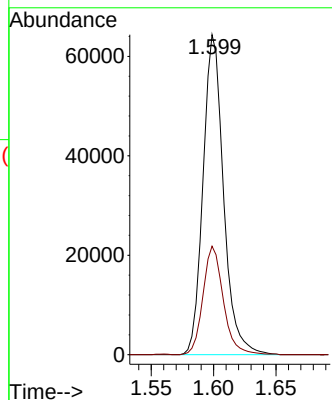
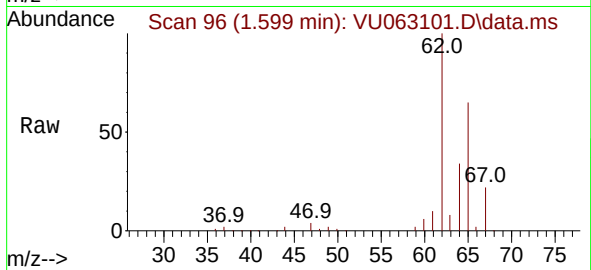
ClientSampleId :

Tgt Ion: 62 Resp: 73706

Ion Ratio Lower Upper

62 100

64 33.9 22.9 42.5



#6

Bromomethane

Concen: 65.861 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.006 min

Lab File: VU063101.D

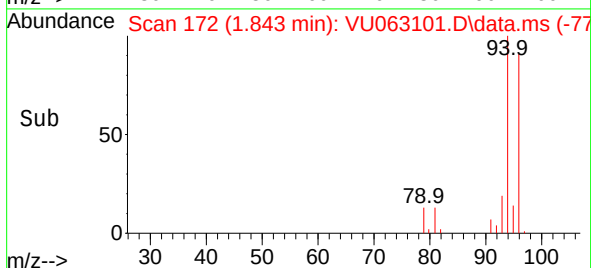
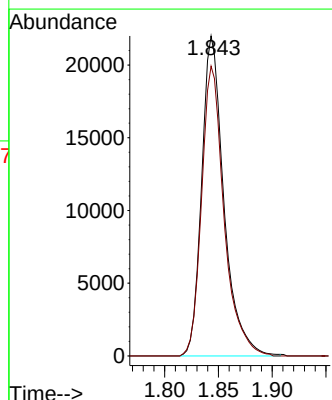
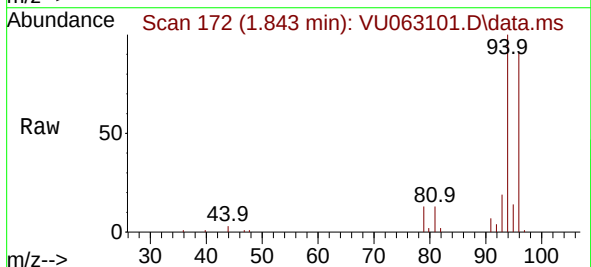
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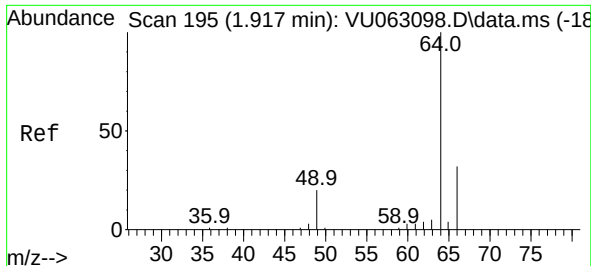
Tgt Ion: 94 Resp: 31704

Ion Ratio Lower Upper

94 100

96 90.5 66.1 122.8

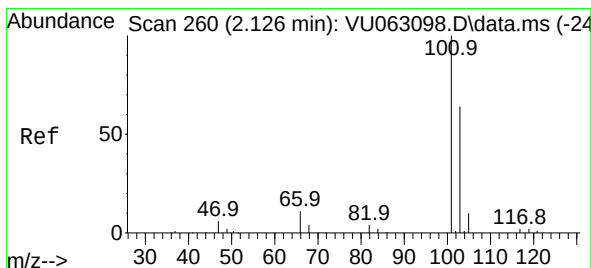
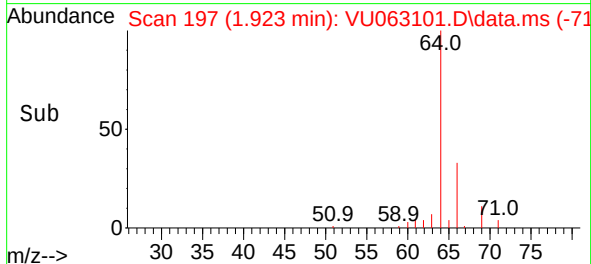
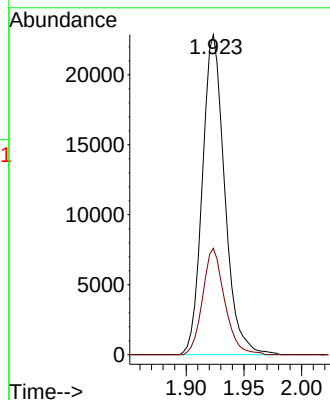
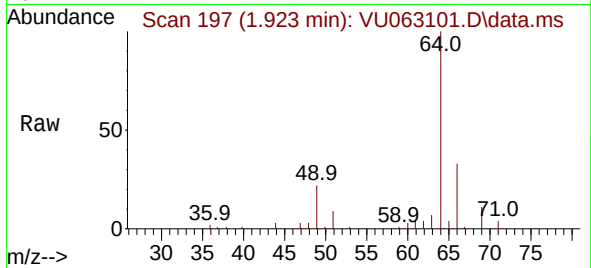




#8
Chloroethane
Concen: 51.761 ug/L
RT: 1.923 min Scan# 197
Delta R.T. 0.006 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

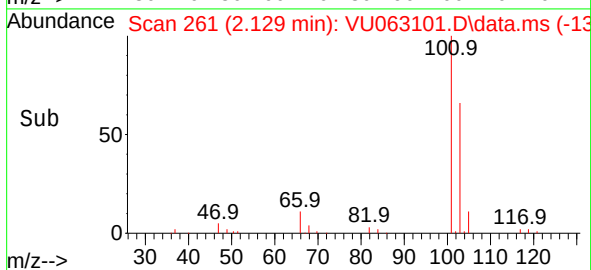
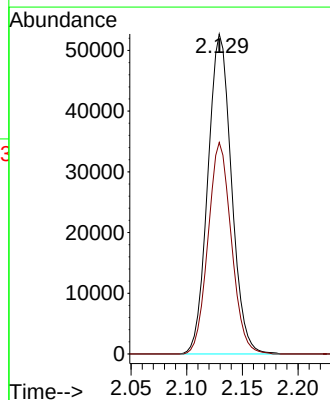
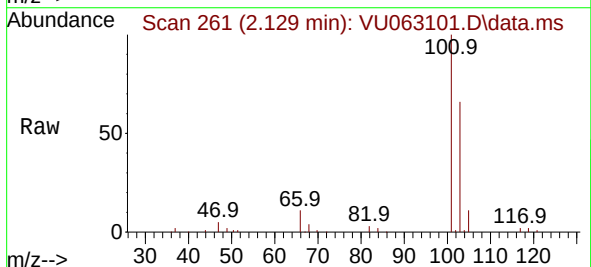
Instrument :
MSVOA_U
ClientSampleId :

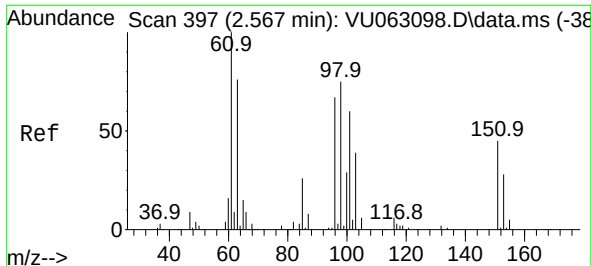
Tgt Ion: 64 Resp: 30723
Ion Ratio Lower Upper
64 100
66 33.2 22.7 42.1



#9
Trichlorofluoromethane
Concen: 45.589 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion:101 Resp: 77833
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

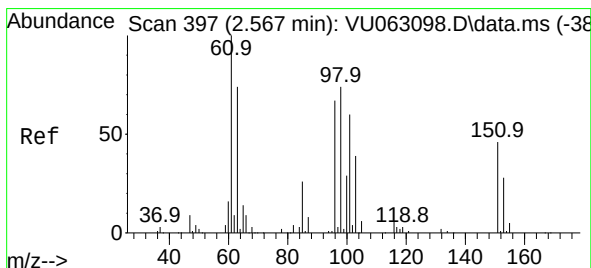
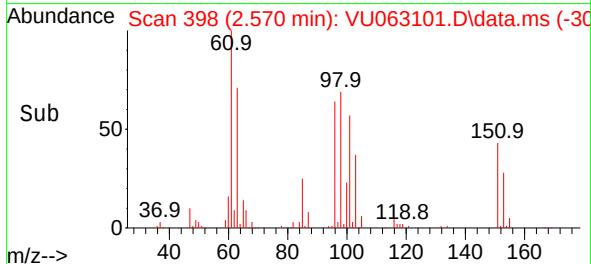
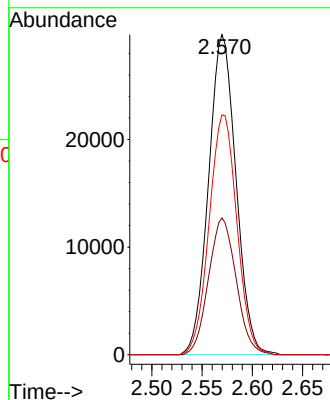
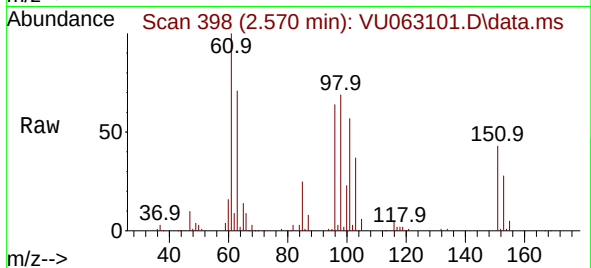




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.207 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

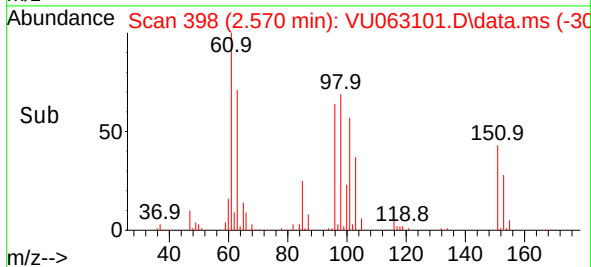
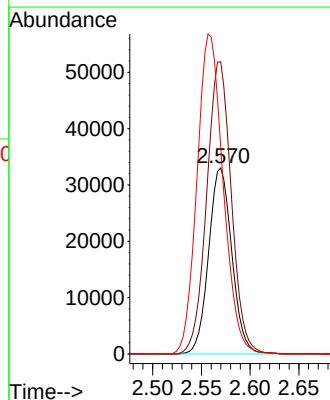
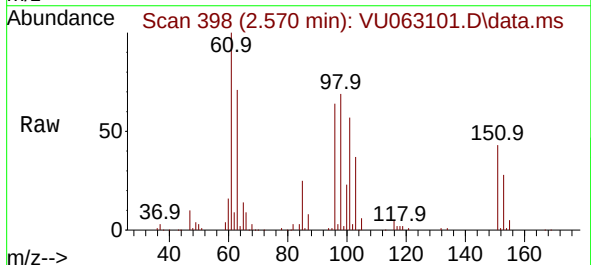
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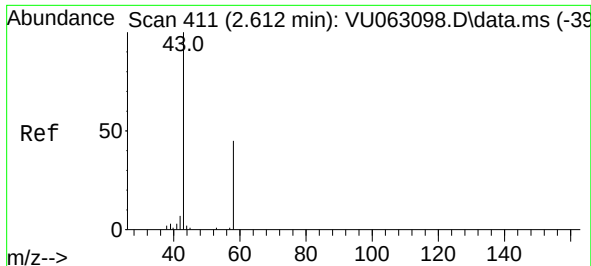
Tgt Ion:101 Resp: 56513
Ion Ratio Lower Upper
101 100
85 42.9 33.2 49.8
151 75.7 60.4 90.6



#12
1,1-Dichloroethene
Concen: 46.402 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion: 96 Resp: 54723
Ion Ratio Lower Upper
96 100
61 156.9 104.2 193.4
63 111.8 81.5 151.5





#13

Acetone

Concen: 96.962 ug/L

RT: 2.612 min Scan# 411

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

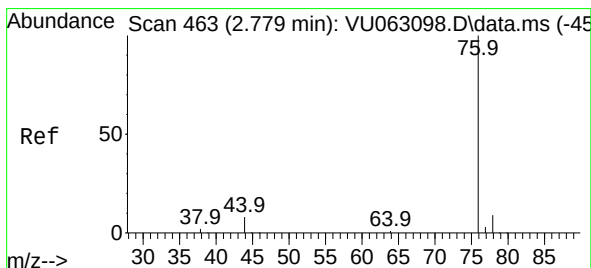
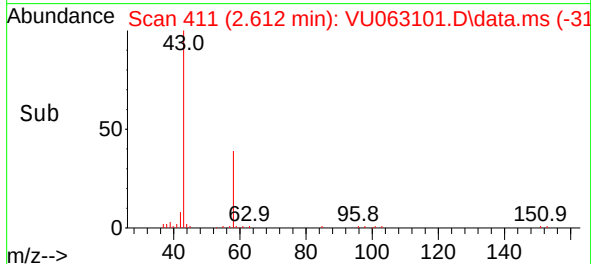
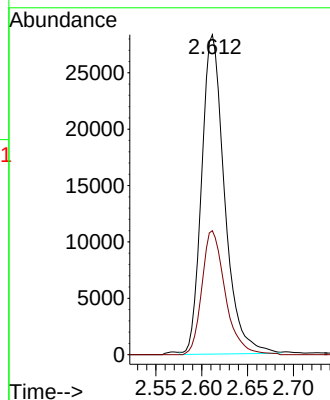
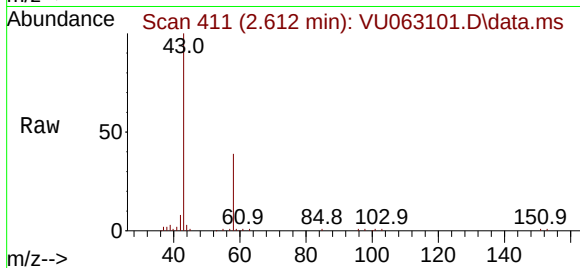
ClientSampleId :

Tgt Ion: 43 Resp: 49327

Ion Ratio Lower Upper

43 100

58 39.4 0.0 88.8



#14

Carbon disulfide

Concen: 48.130 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.003 min

Lab File: VU063101.D

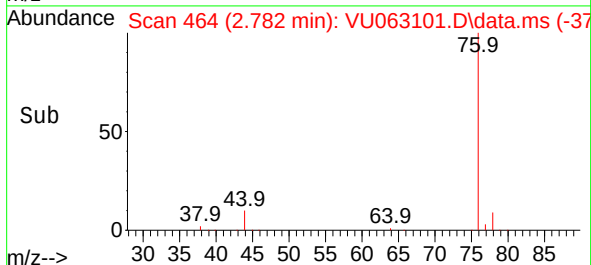
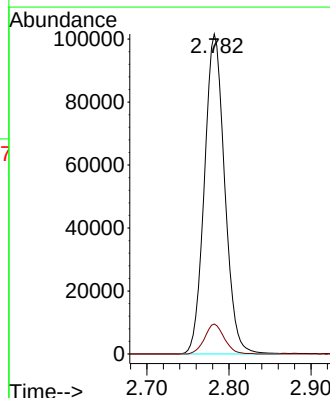
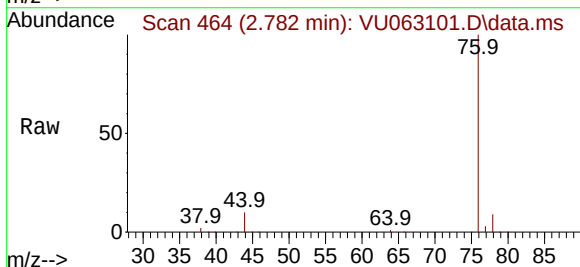
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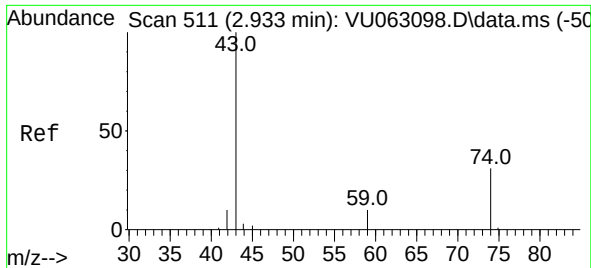
Tgt Ion: 76 Resp: 174743

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

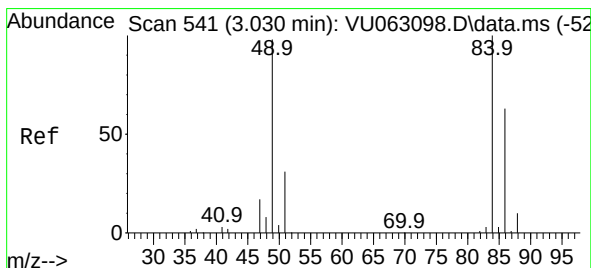
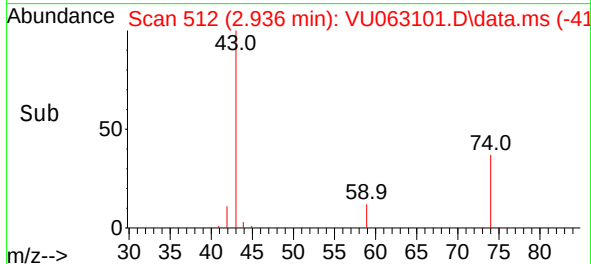
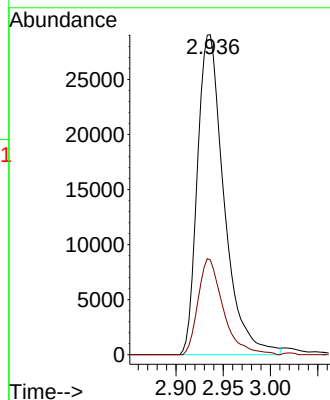
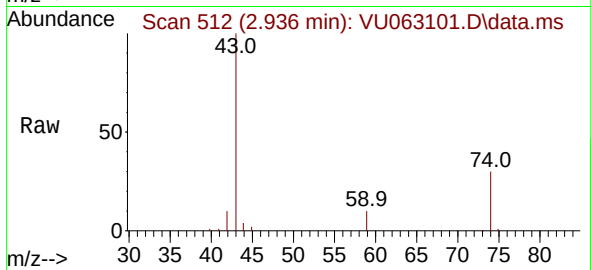




#15
Methyl Acetate
Concen: 46.732 ug/L
RT: 2.936 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

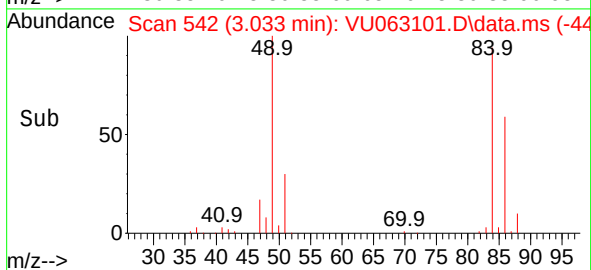
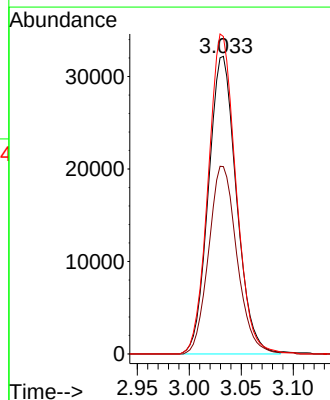
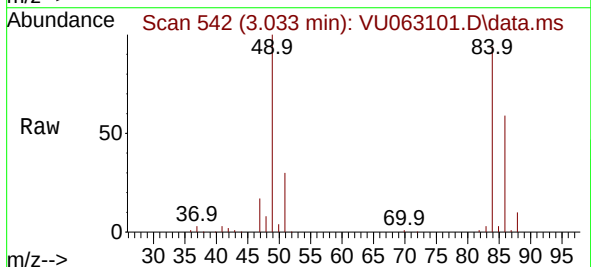
Instrument :
MSVOA_U
ClientSampleId :

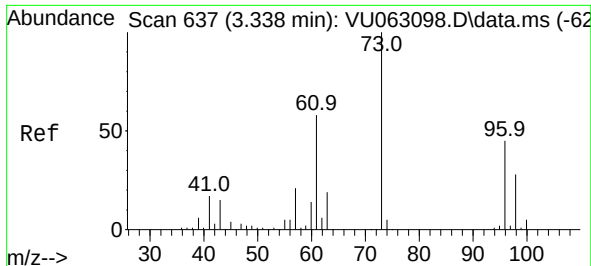
Tgt Ion: 43 Resp: 56943
Ion Ratio Lower Upper
43 100
74 28.3 25.0 37.6



#16
Methylene chloride
Concen: 44.536 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion: 84 Resp: 60476
Ion Ratio Lower Upper
84 100
86 63.0 44.2 82.0
49 106.7 68.4 127.0

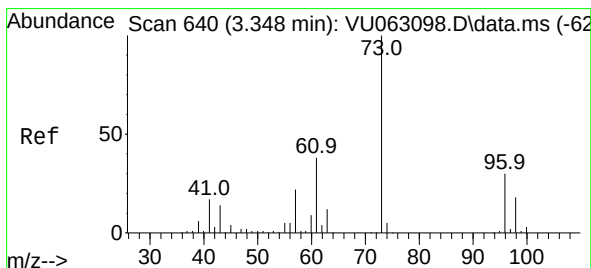
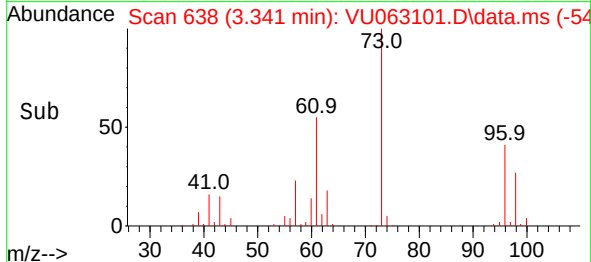
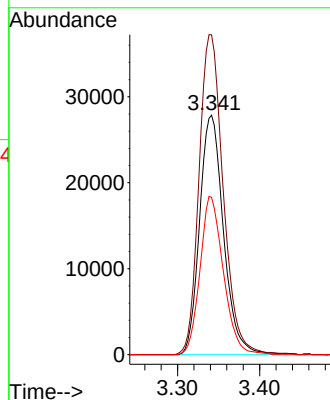
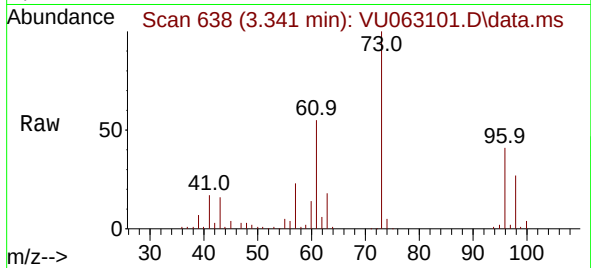




#17
trans-1,2-Dichloroethene
Concen: 46.769 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

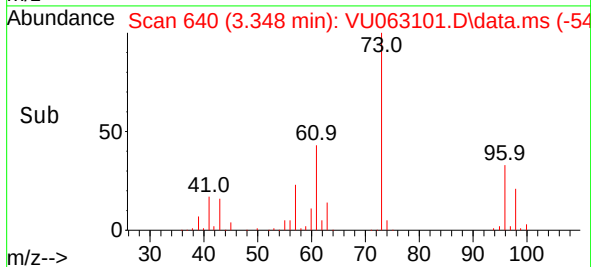
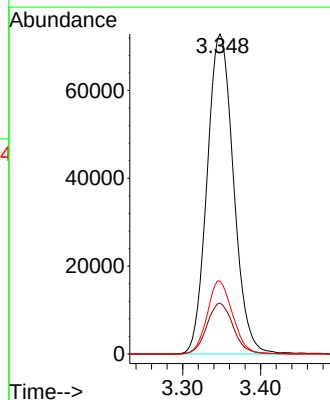
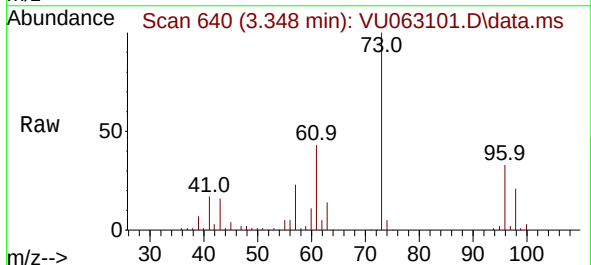
Instrument :
MSVOA_U
ClientSampleId :

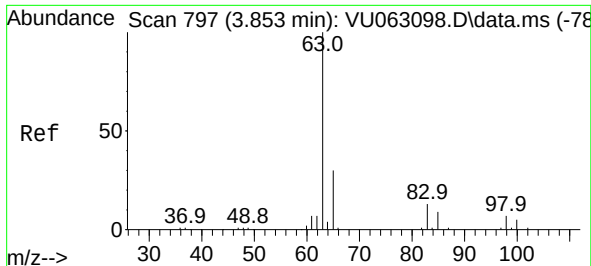
Tgt Ion: 96 Resp: 56392
Ion Ratio Lower Upper
96 100
61 133.5 91.1 169.3
98 65.6 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 46.077 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

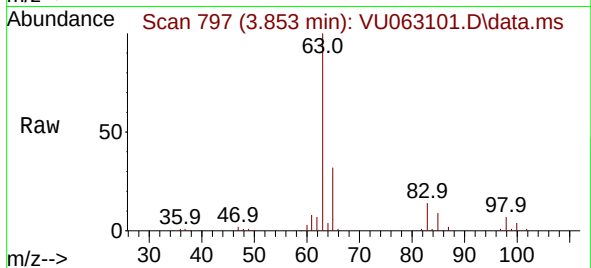
Tgt Ion: 73 Resp: 171543
Ion Ratio Lower Upper
73 100
43 15.8 11.4 17.2
57 22.0 17.2 25.8



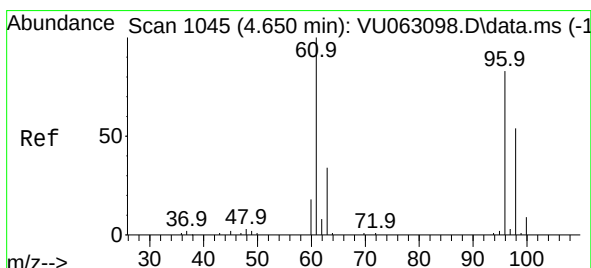
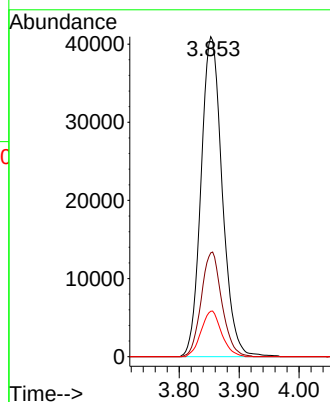
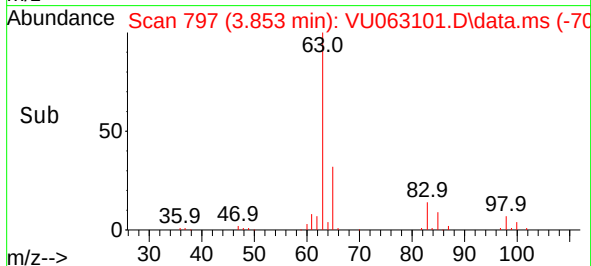


#19
1,1-Dichloroethane
Concen: 45.634 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Instrument :
MSVOA_U
ClientSampleId :

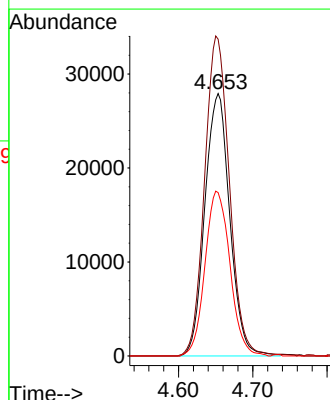
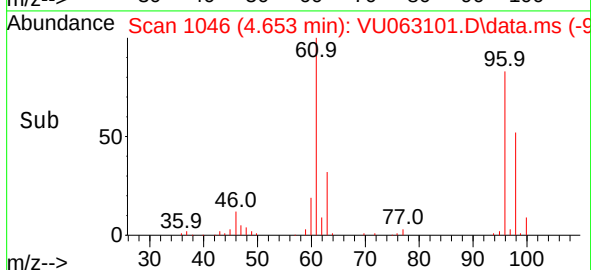
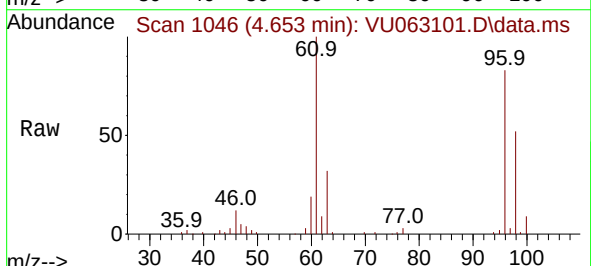


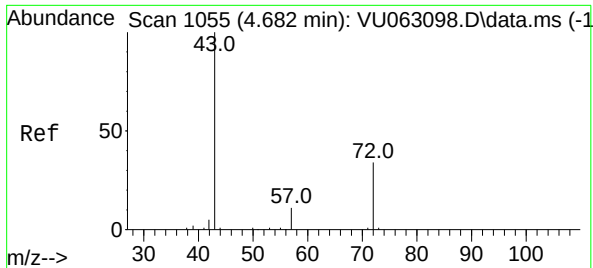
Tgt Ion: 63 Resp: 100811
Ion Ratio Lower Upper
63 100
65 32.5 20.9 38.9
83 14.2 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 47.607 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion: 96 Resp: 65175
Ion Ratio Lower Upper
96 100
61 120.7 84.4 156.8
98 62.3 46.0 85.4

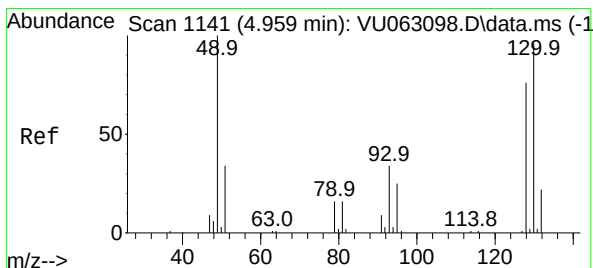
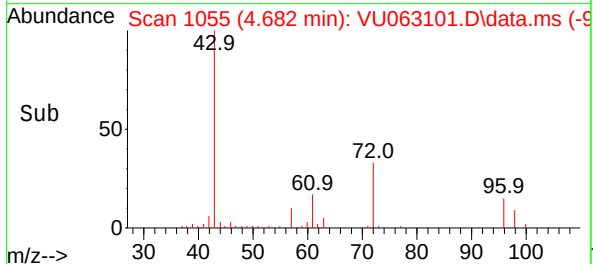
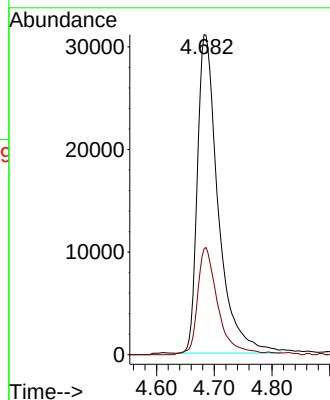
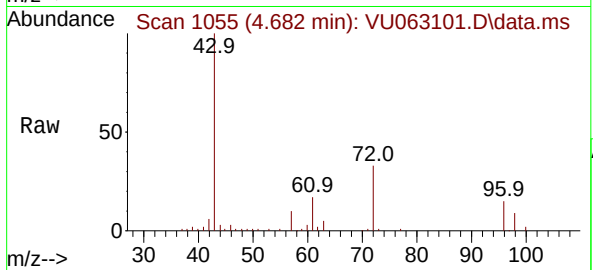




#22
2-Butanone
Concen: 93.704 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

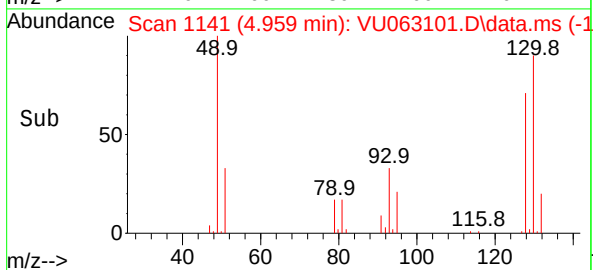
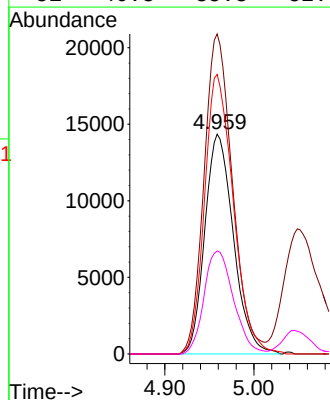
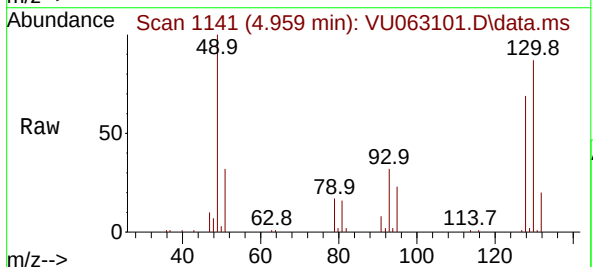
Instrument :
MSVOA_U
ClientSampleId :

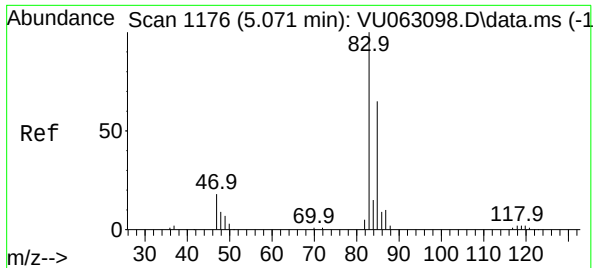
Tgt Ion: 43 Resp: 77860
Ion Ratio Lower Upper
43 100
72 32.7 17.5 52.6



#23
Bromochloromethane
Concen: 46.004 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion:128 Resp: 32016
Ion Ratio Lower Upper
128 100
49 145.5 92.0 170.9
130 127.1 88.3 164.1
51 46.8 35.3 52.9





#25

Chloroform

Concen: 46.173 ug/L

RT: 5.074 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

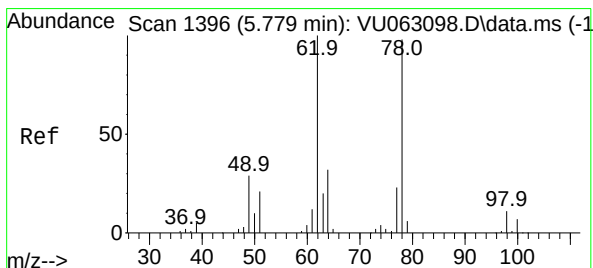
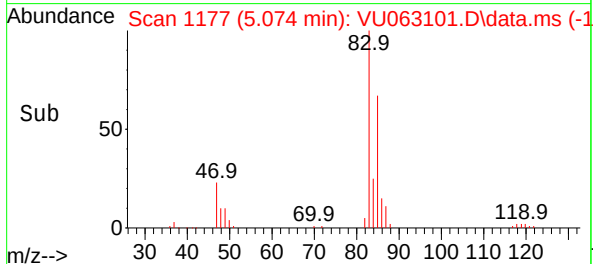
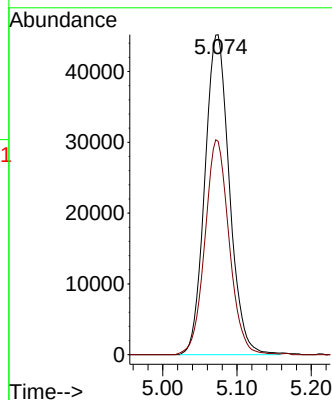
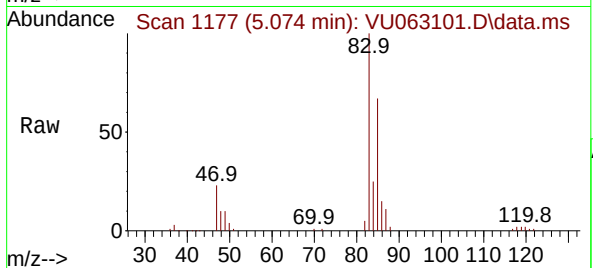
ClientSampleId :

Tgt Ion: 83 Resp: 103924

Ion Ratio Lower Upper

83 100

85 66.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 46.233 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VU063101.D

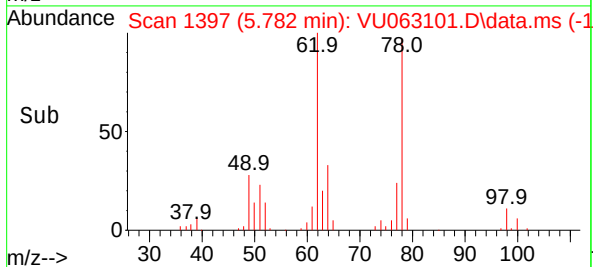
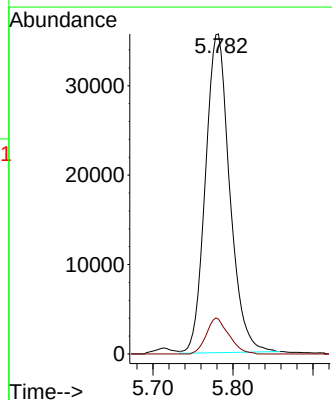
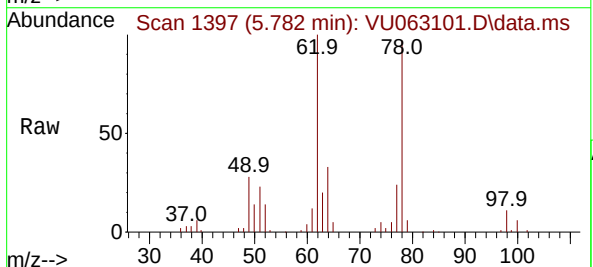
Acq: 30 Jan 2025 15:36

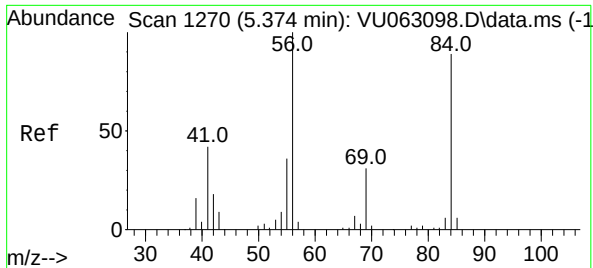
Tgt Ion: 62 Resp: 75359

Ion Ratio Lower Upper

62 100

98 10.9 8.5 12.7





#29

Cyclohexane

Concen: 47.451 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

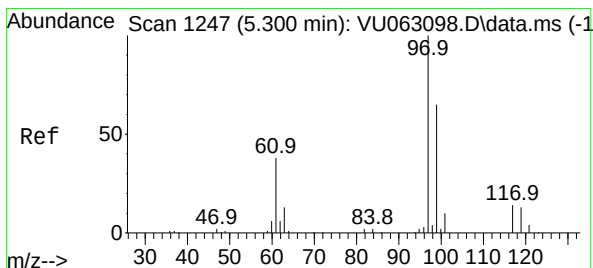
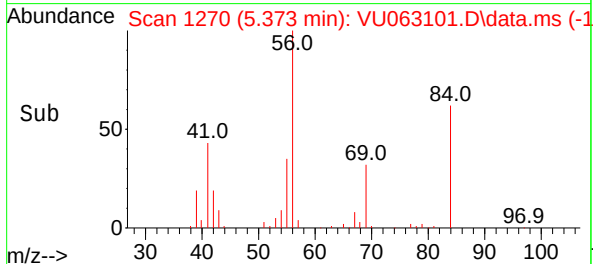
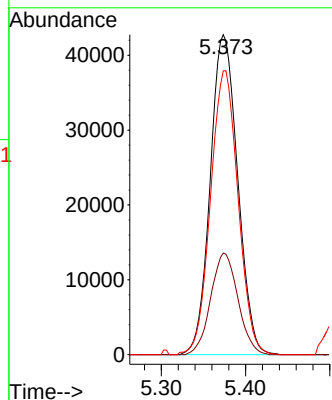
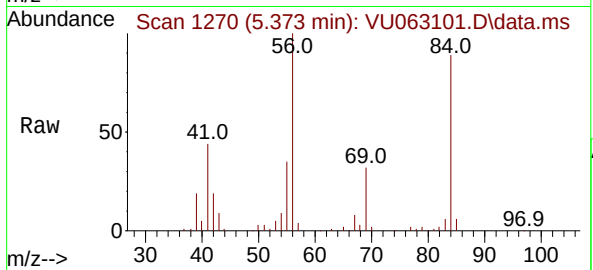
Tgt Ion: 56 Resp: 96717

Ion Ratio Lower Upper

56 100

69 31.5 25.6 38.4

84 89.0 71.6 107.4



#30

1,1,1-Trichloroethane

Concen: 44.683 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

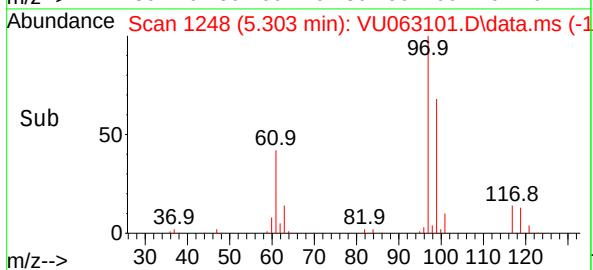
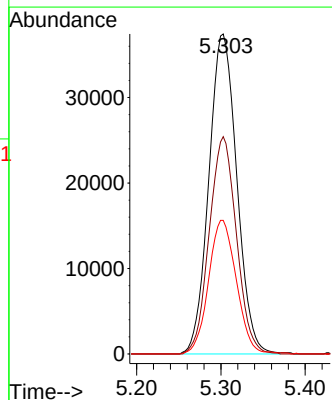
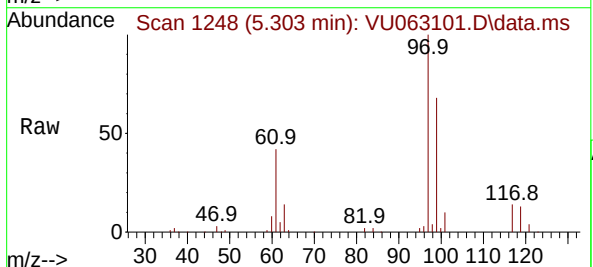
Tgt Ion: 97 Resp: 86402

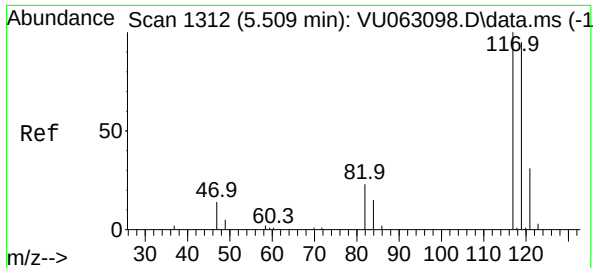
Ion Ratio Lower Upper

97 100

99 66.0 52.2 78.4

61 41.3 31.5 47.3

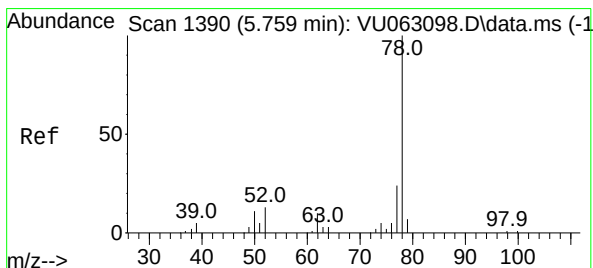
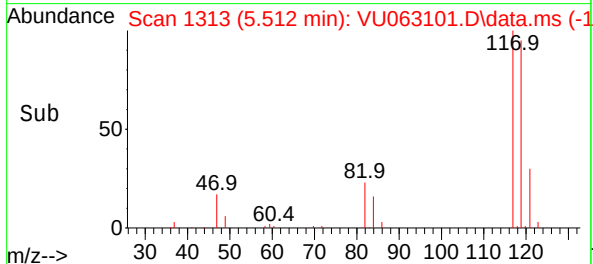
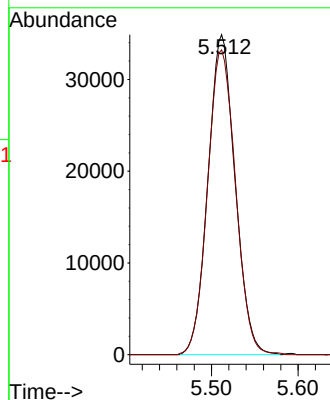
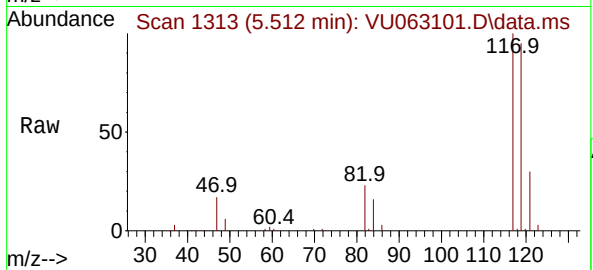




#31
Carbon tetrachloride
Concen: 45.468 ug/L
RT: 5.512 min Scan# 1312
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

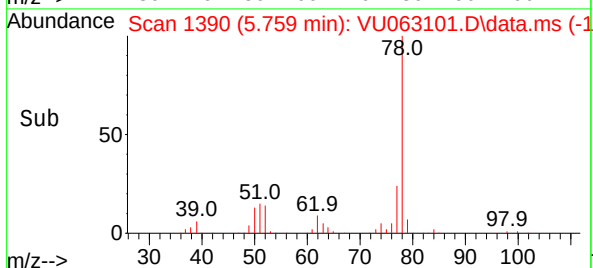
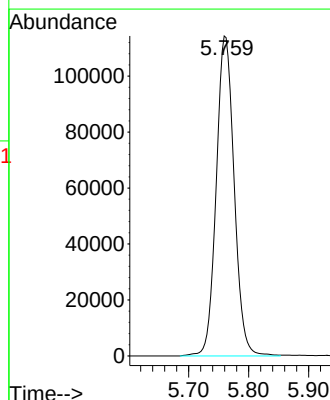
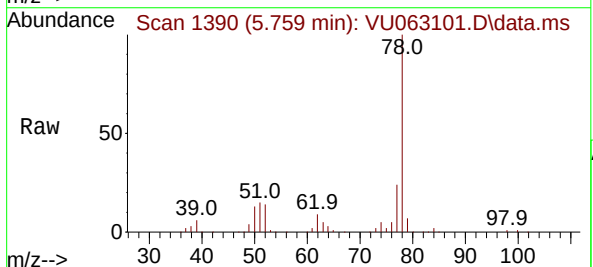
Instrument :
MSVOA_U
ClientSampleId :

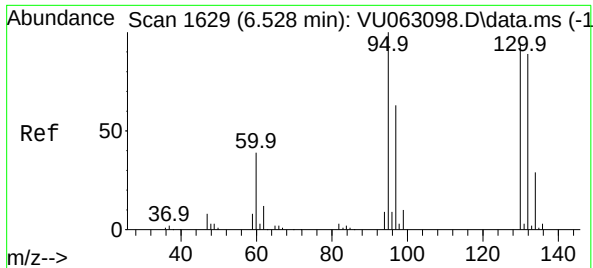
Tgt Ion:117 Resp: 75889
Ion Ratio Lower Upper
117 100
119 98.1 77.7 116.5



#33
Benzene
Concen: 46.015 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion: 78 Resp: 237159

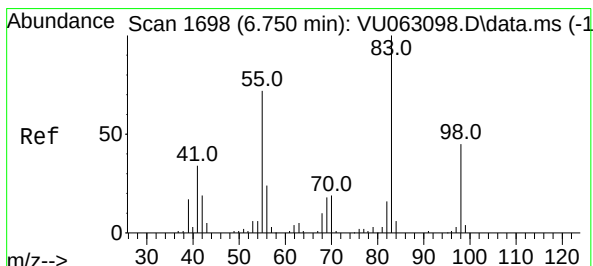
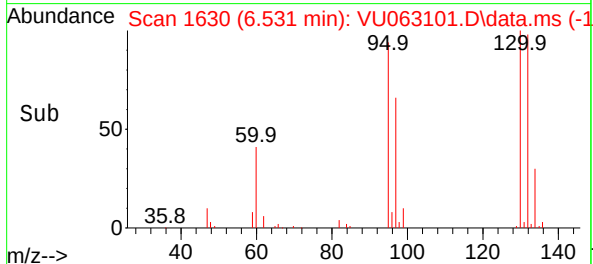
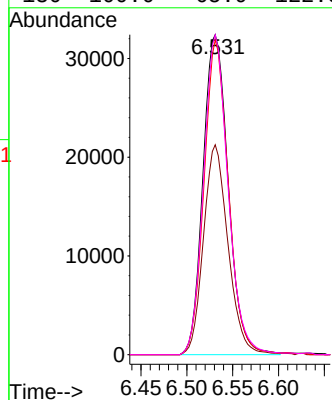
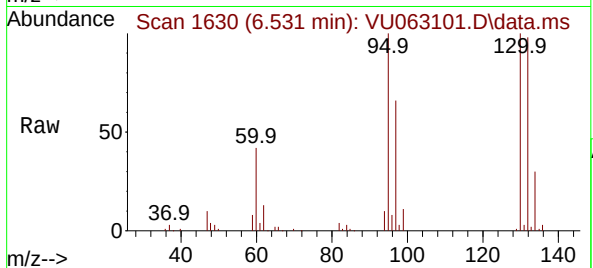




#34
Trichloroethene
Concen: 44.480 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

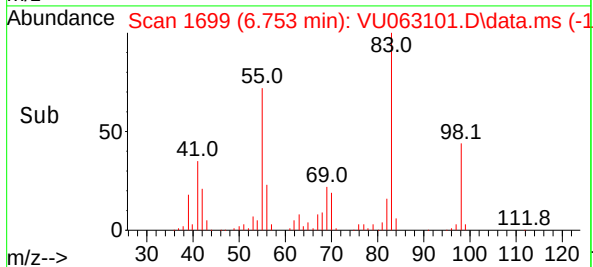
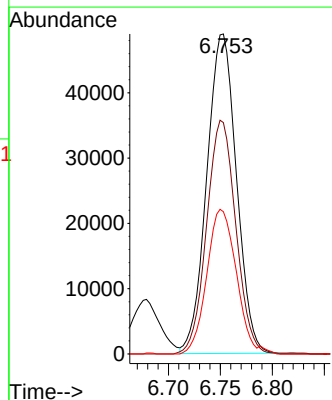
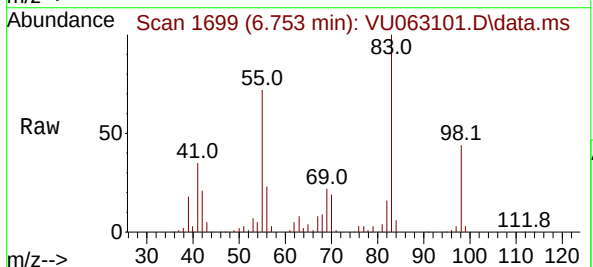
Instrument :
MSVOA_U
ClientSampleId :

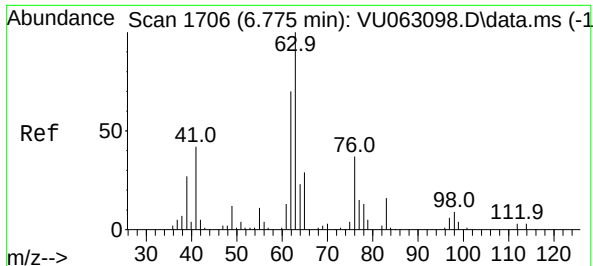
Tgt Ion: 95 Resp: 62022
Ion Ratio Lower Upper
95 100
97 65.6 44.3 82.3
132 98.4 62.4 116.0
130 100.0 65.9 122.3



#35
Methylcyclohexane
Concen: 45.513 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion: 83 Resp: 97306
Ion Ratio Lower Upper
83 100
55 71.9 56.4 84.6
98 44.4 35.3 52.9





#37

1,2-Dichloropropane

Concen: 44.306 ug/L

RT: 6.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

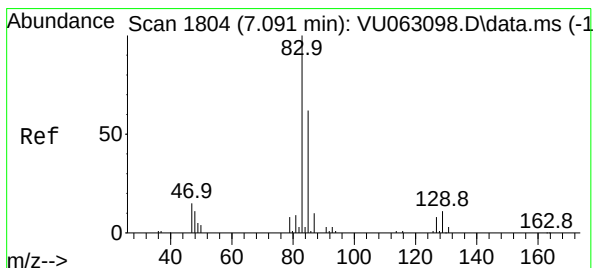
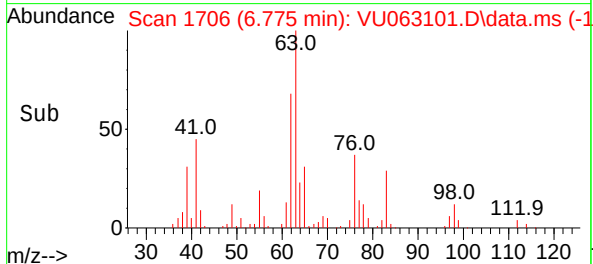
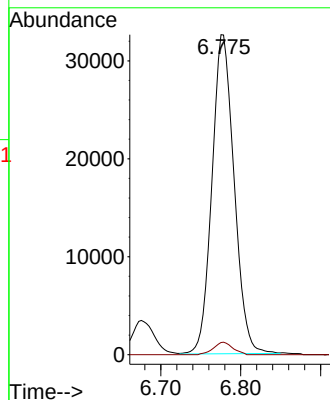
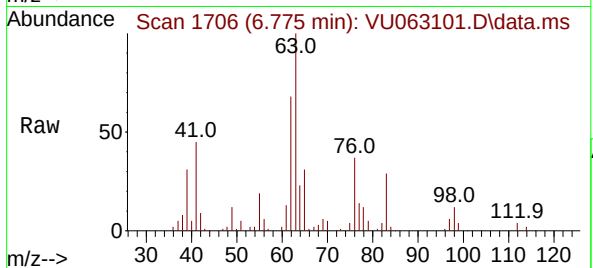
ClientSampleId :

Tgt Ion: 63 Resp: 62692

Ion Ratio Lower Upper

63 100

112 3.4 2.6 4.0



#38

Bromodichloromethane

Concen: 46.456 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.003 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

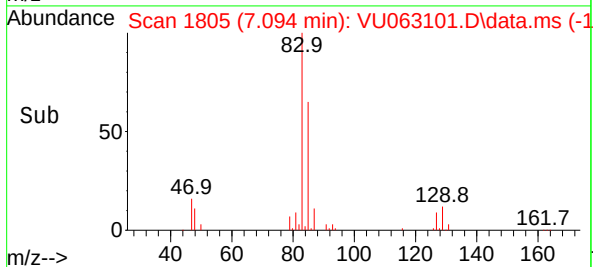
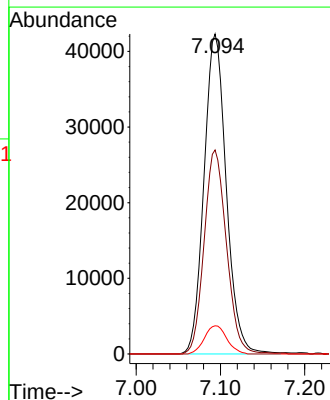
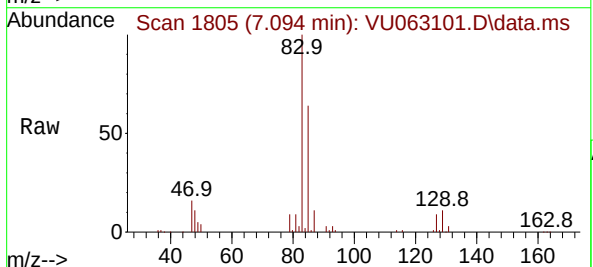
Tgt Ion: 83 Resp: 77841

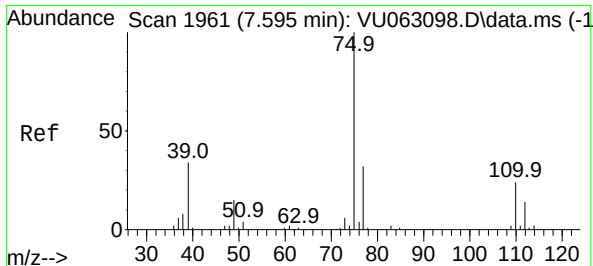
Ion Ratio Lower Upper

83 100

85 63.7 43.5 80.9

127 8.8 6.5 9.7

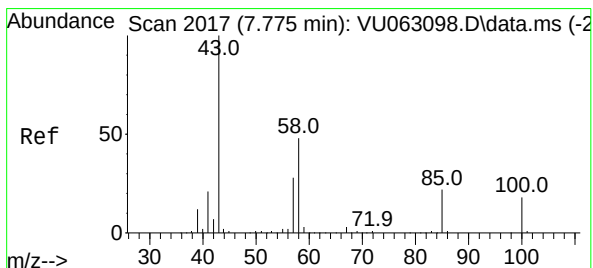
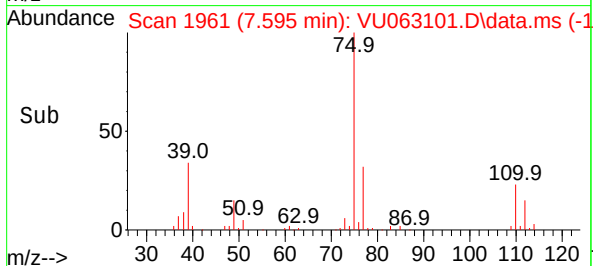
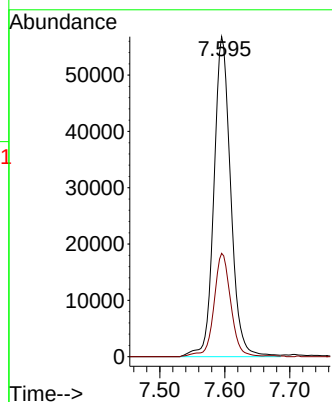
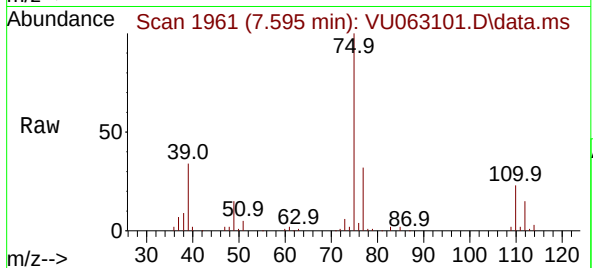




#39
 cis-1,3-Dichloropropene
 Concen: 48.354 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. -0.000 min
 Lab File: VU063101.D
 Acq: 30 Jan 2025 15:36

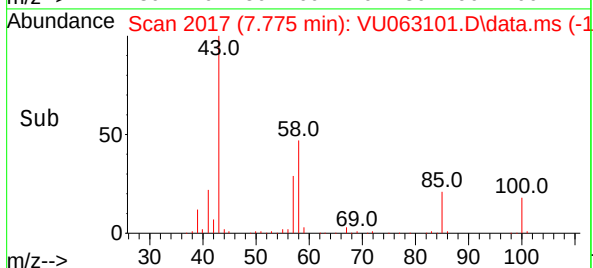
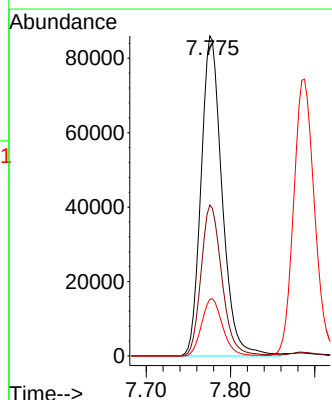
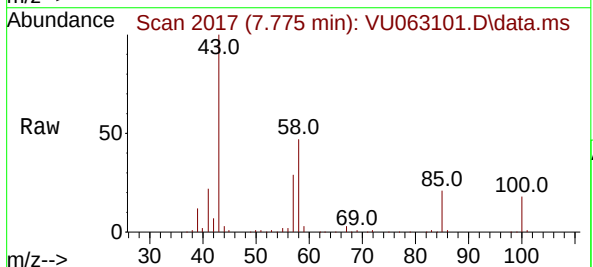
Instrument :
 MSVOA_U
 ClientSampleId :

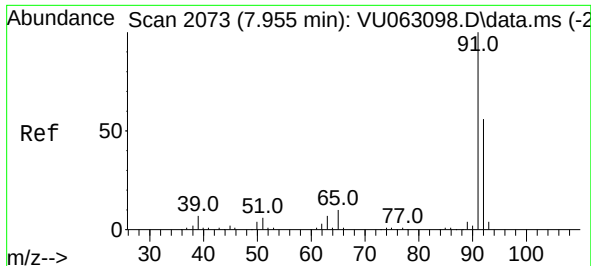
Tgt Ion: 75 Resp: 102207
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 88.670 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: VU063101.D
 Acq: 30 Jan 2025 15:36

Tgt Ion: 43 Resp: 149847
 Ion Ratio Lower Upper
 43 100
 58 46.6 37.5 56.3
 100 17.7 14.3 21.5





#42

Toluene

Concen: 46.699 ug/L

RT: 7.959 min Scan# 2073

Delta R.T. 0.003 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

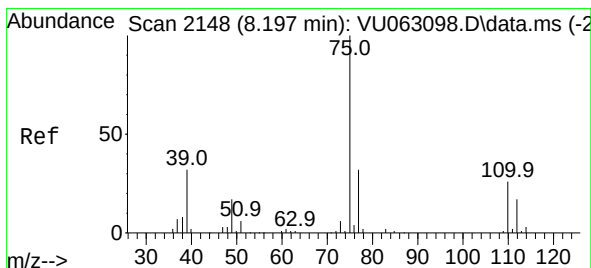
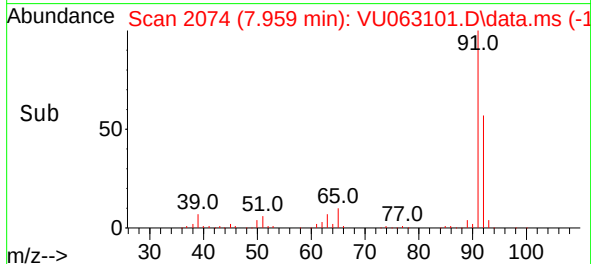
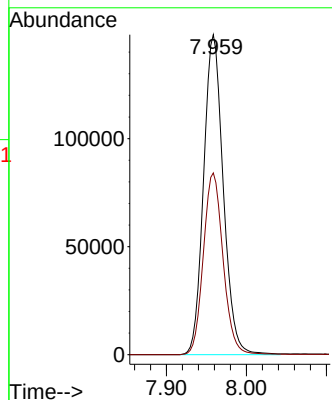
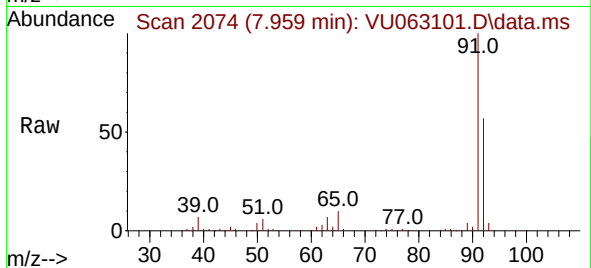
ClientSampleId :

Tgt Ion: 91 Resp: 253820

Ion Ratio Lower Upper

91 100

92 56.8 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 47.142 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.003 min

Lab File: VU063101.D

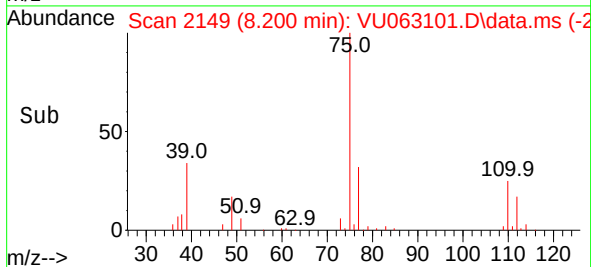
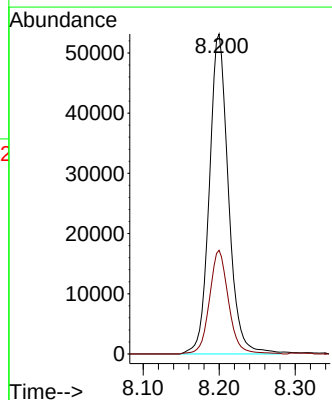
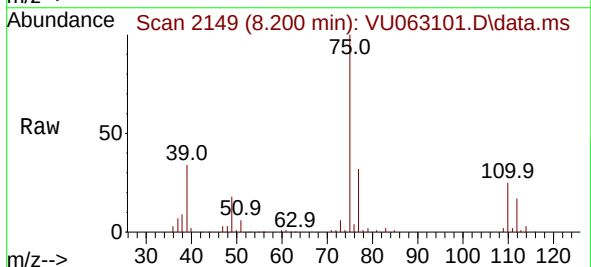
Acq: 30 Jan 2025 15:36

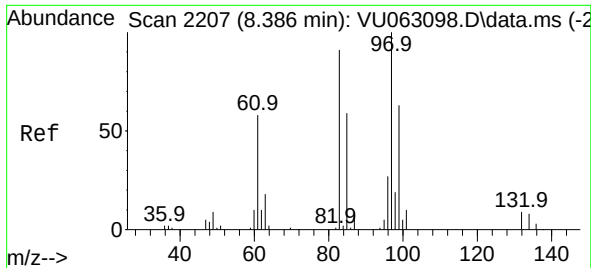
Tgt Ion: 75 Resp: 92567

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3

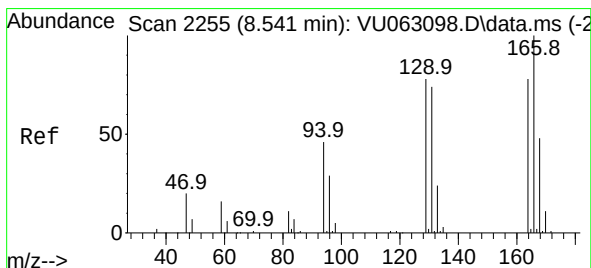
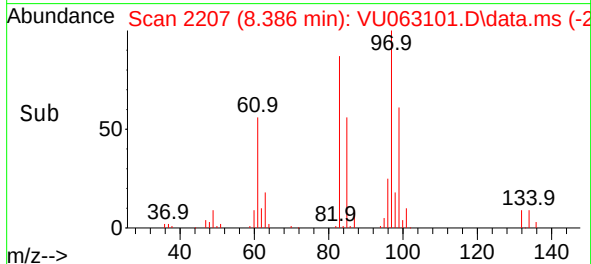
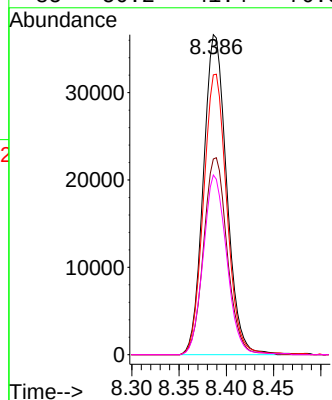
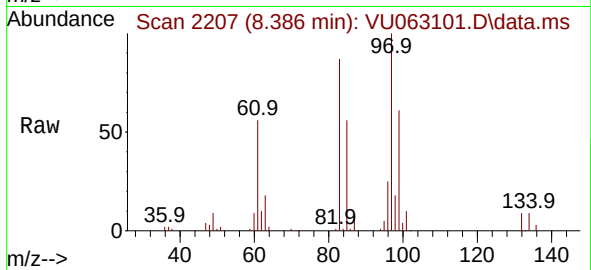




#45
1,1,2-Trichloroethane
Concen: 46.716 ug/L
RT: 8.386 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

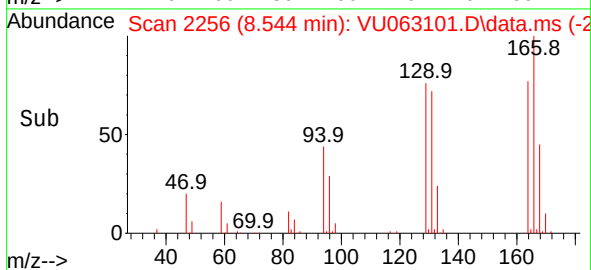
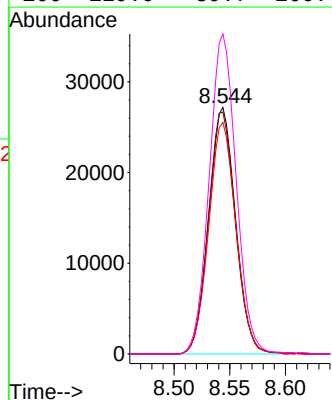
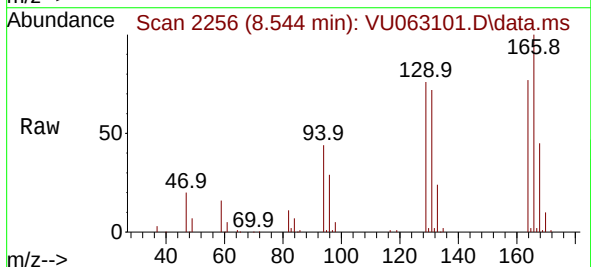
Instrument :
MSVOA_U
ClientSampleId :

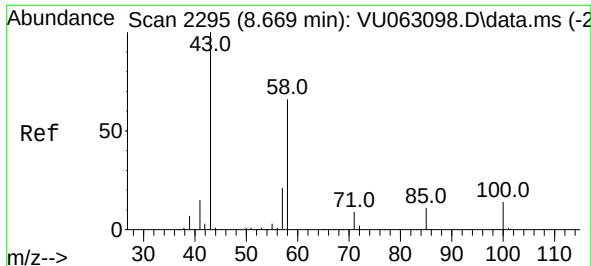
Tgt Ion:	97	Resp:	62921
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.2	82.2
83	87.5	64.0	118.8
85	56.2	41.4	76.8



#46
Tetrachloroethene
Concen: 46.322 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion:	164	Resp:	45638
Ion	Ratio	Lower	Upper
164	100		
129	98.2	69.9	129.7
131	94.0	66.3	123.1
166	129.9	89.7	166.7

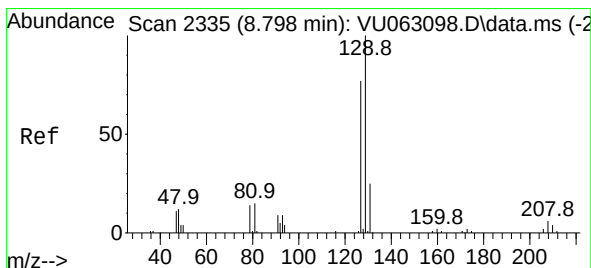
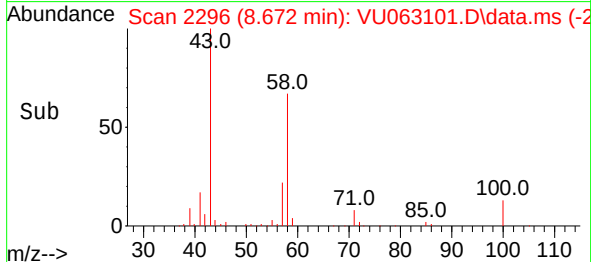
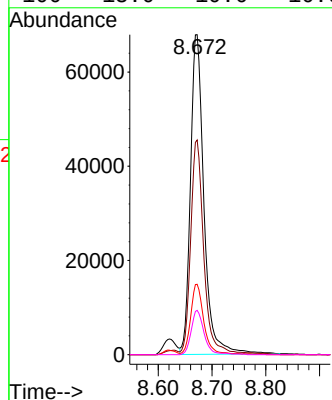
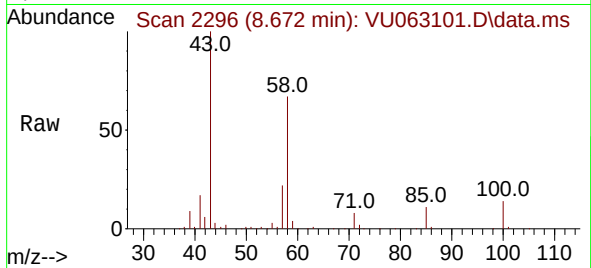




#48
2-Hexanone
Concen: 91.999 ug/L
RT: 8.672 min Scan# 2295
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

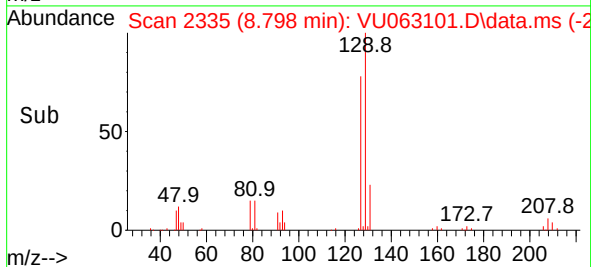
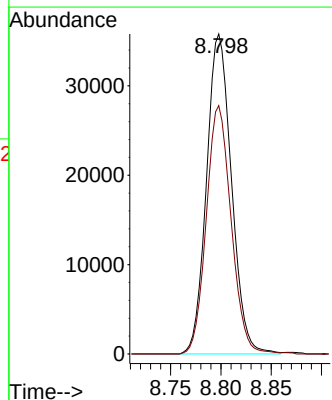
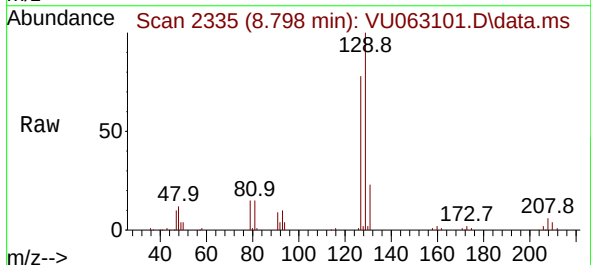
Instrument :
MSVOA_U
ClientSampleId :

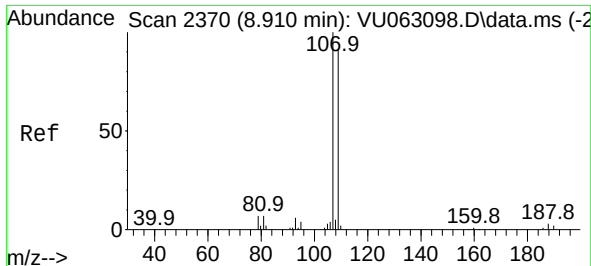
Tgt Ion: 43 Resp: 118448
Ion Ratio Lower Upper
43 100
58 63.6 52.6 78.8
57 21.2 17.9 26.9
100 13.0 10.6 16.0



#49
Dibromochloromethane
Concen: 45.294 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion: 129 Resp: 61817
Ion Ratio Lower Upper
129 100
127 77.6 54.1 100.5





#50

1,2-Dibromoethane

Concen: 46.070 ug/L

RT: 8.914 min Scan# 2370

Delta R.T. 0.003 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

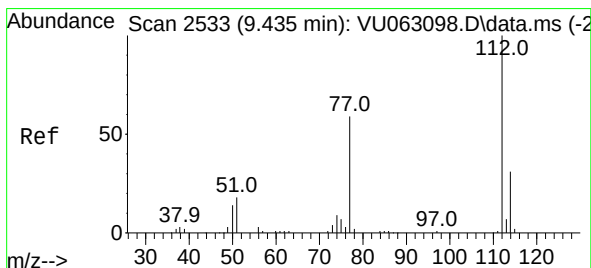
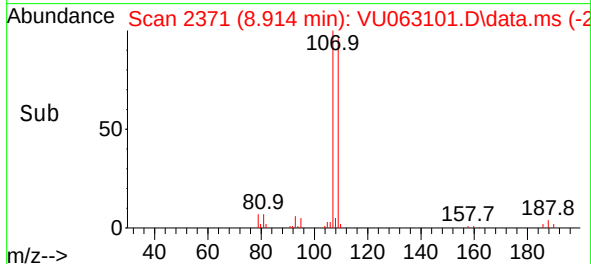
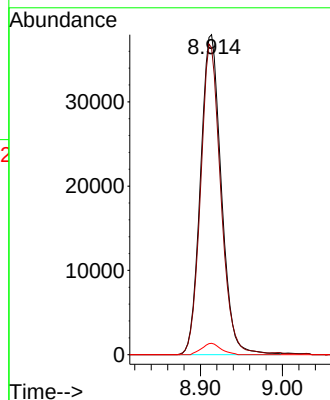
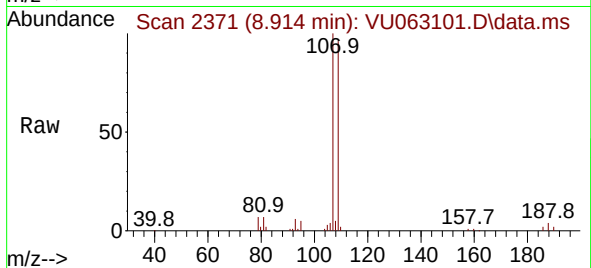
Tgt Ion:107 Resp: 67025

Ion Ratio Lower Upper

107 100

109 96.0 63.7 118.3

188 3.6 2.7 4.1



#51

Chlorobenzene

Concen: 50.650 ug/L

RT: 9.434 min Scan# 2533

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

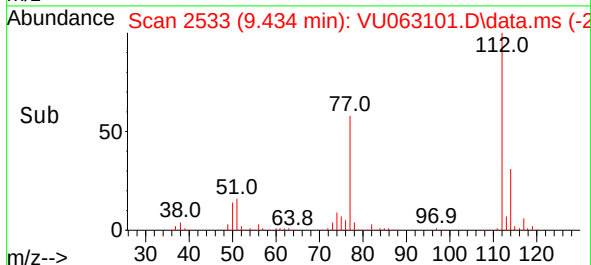
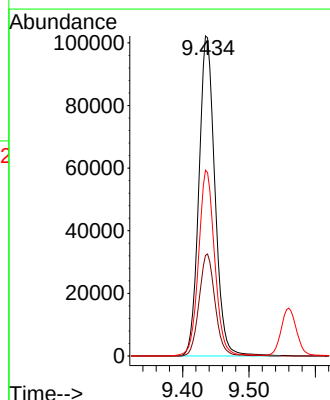
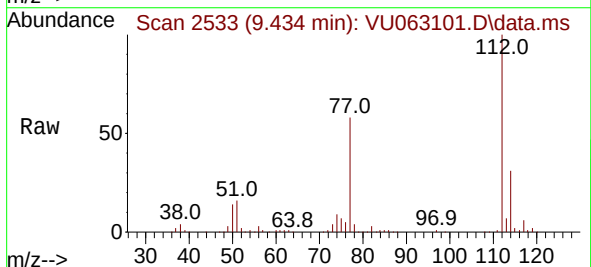
Tgt Ion:112 Resp: 171845

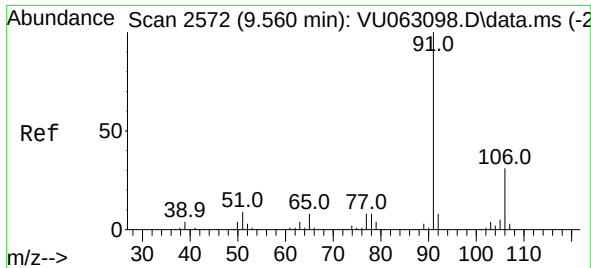
Ion Ratio Lower Upper

112 100

114 31.4 21.9 40.7

77 58.1 47.5 71.3

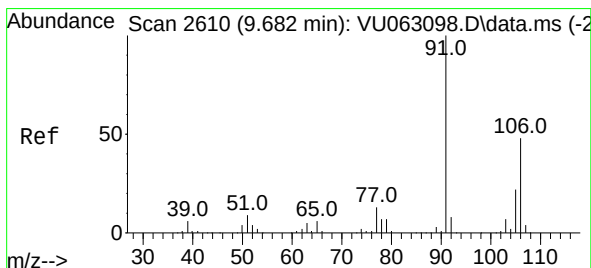
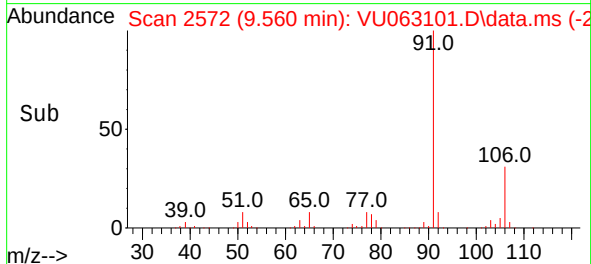
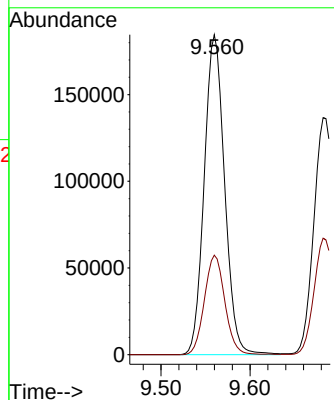
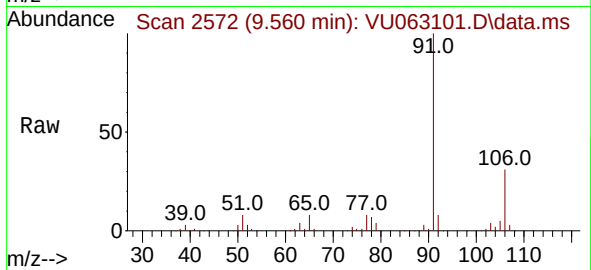




#52
Ethylbenzene
Concen: 49.898 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

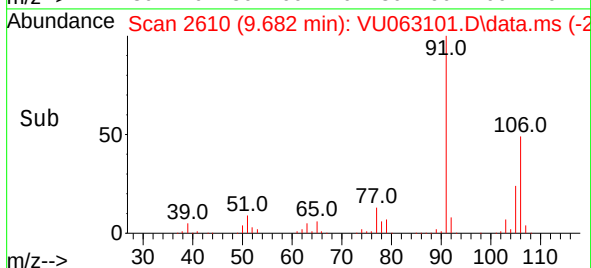
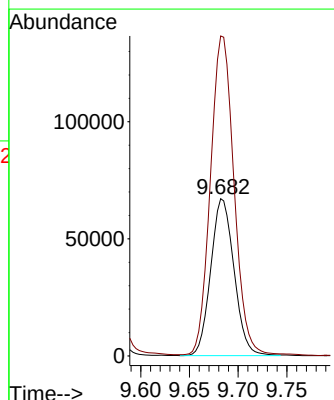
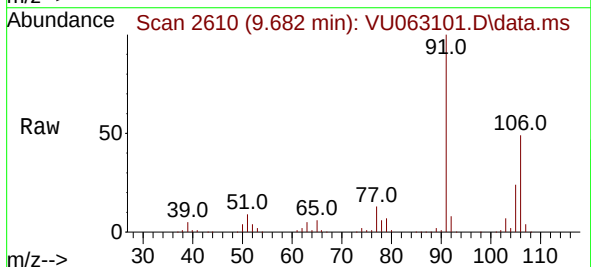
Instrument :
MSVOA_U
ClientSampleId :

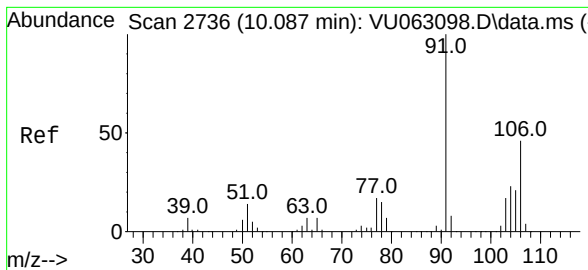
Tgt Ion: 91 Resp: 293529
Ion Ratio Lower Upper
91 100
106 31.1 22.0 40.8



#53
m,p-Xylene
Concen: 50.718 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion:106 Resp: 111397
Ion Ratio Lower Upper
106 100
91 203.5 145.5 270.1

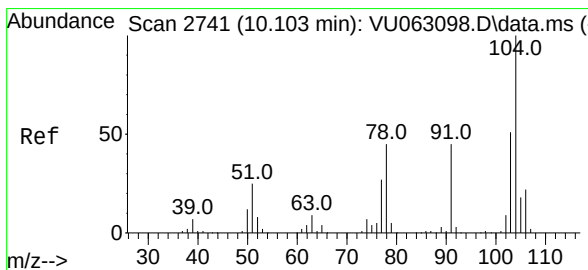
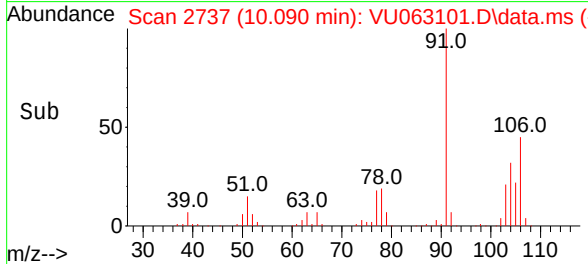
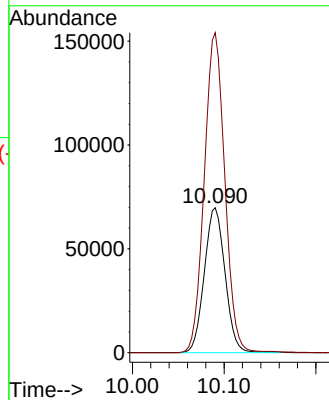
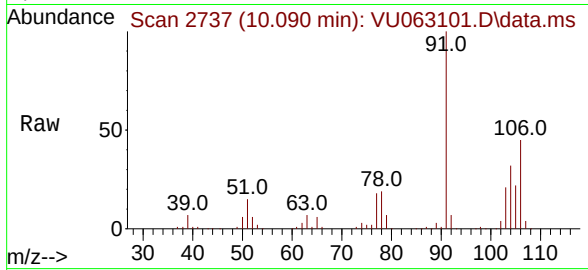




#54
o-Xylene
Concen: 49.581 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

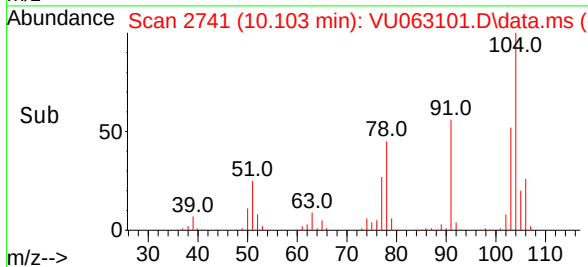
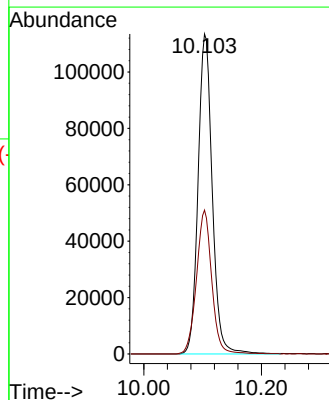
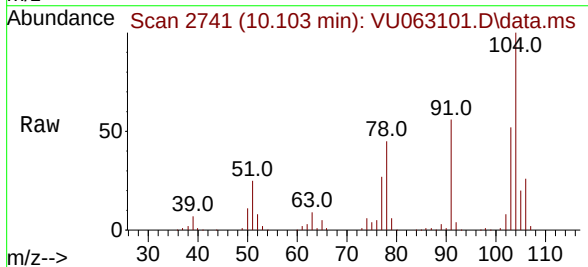
Instrument :
MSVOA_U
ClientSampleId :

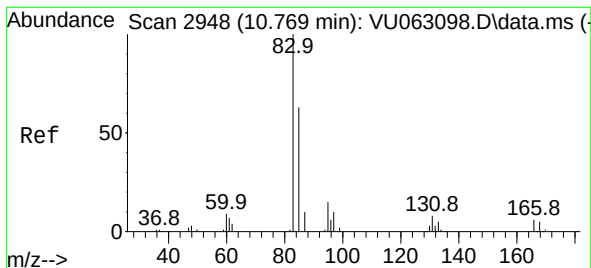
Tgt Ion:106 Resp: 109737
Ion Ratio Lower Upper
106 100
91 220.7 152.8 283.8



#55
Styrene
Concen: 50.430 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion:104 Resp: 189669
Ion Ratio Lower Upper
104 100
78 45.0 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 43.767 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

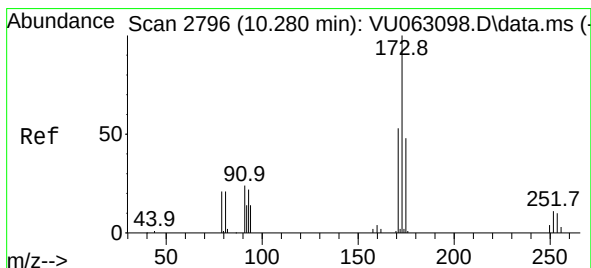
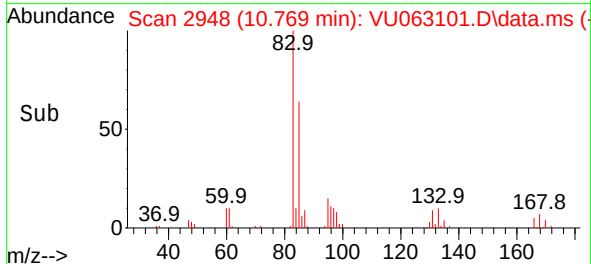
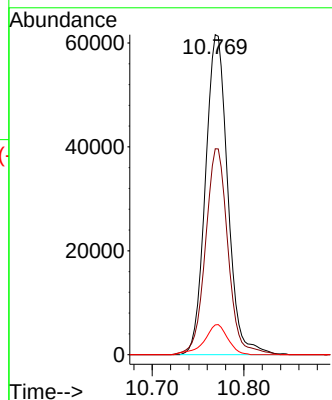
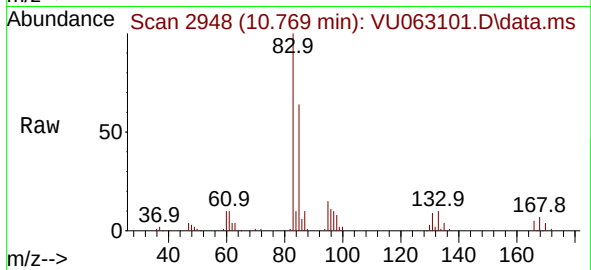
Tgt Ion: 83 Resp: 104080

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3

131 9.3 7.1 10.7



#59

Bromoform

Concen: 54.029 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

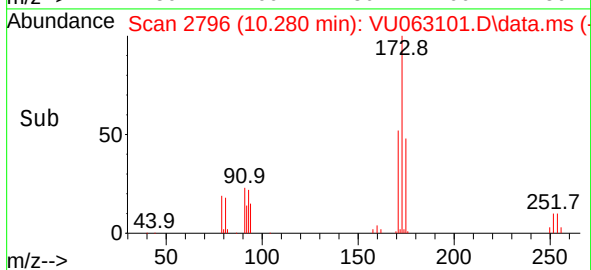
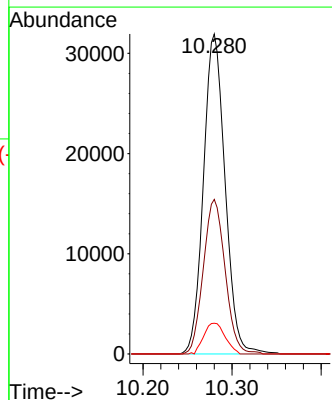
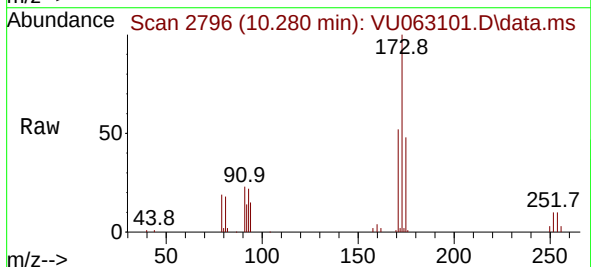
Tgt Ion:173 Resp: 53817

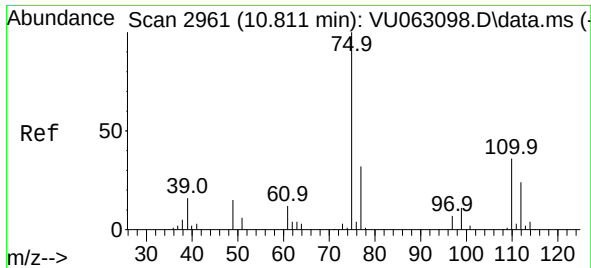
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 9.5 7.6 11.4

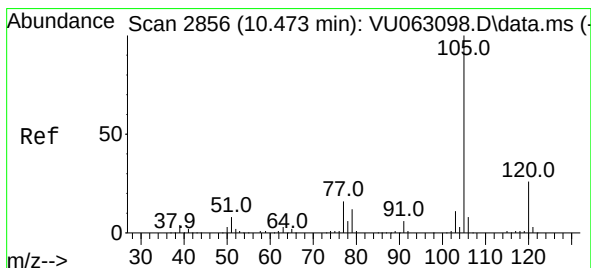
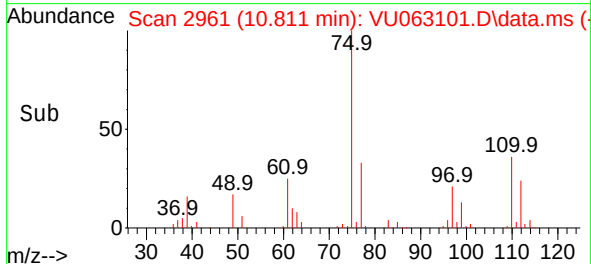
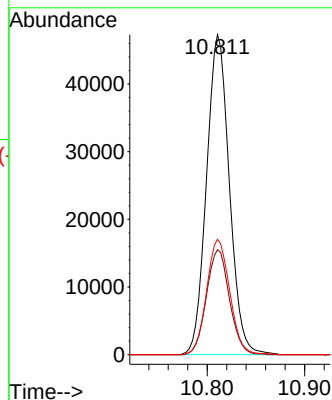
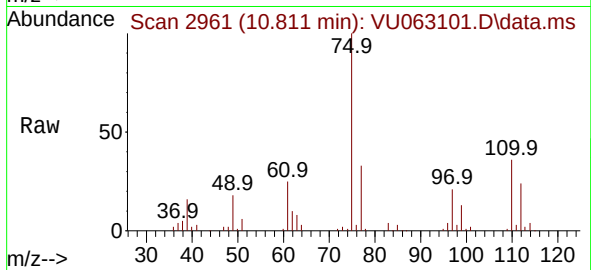




#60
1,2,3-Trichloropropane
Concen: 48.588 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

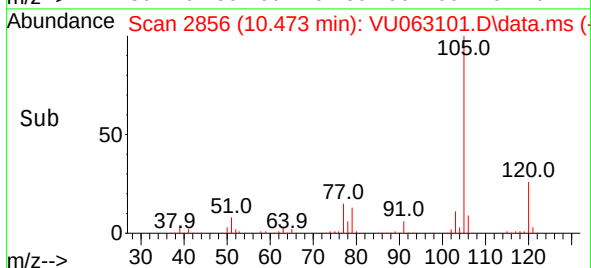
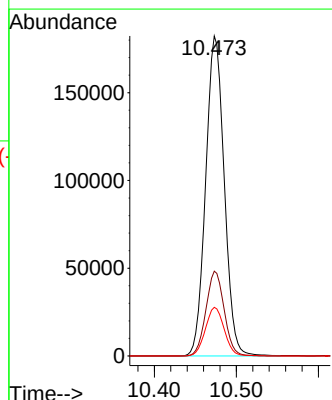
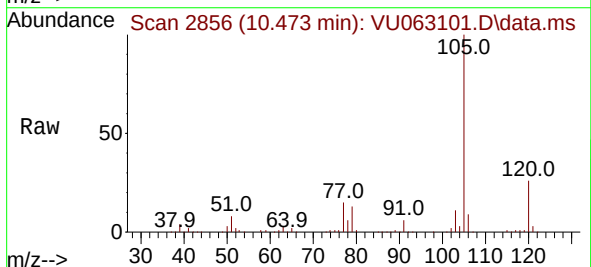
Instrument :
MSVOA_U
ClientSampleId :

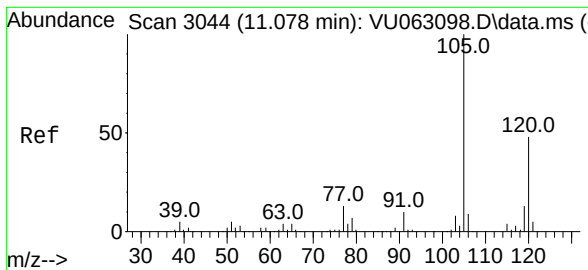
Tgt Ion: 75 Resp: 77037
Ion Ratio Lower Upper
75 100
77 33.1 25.6 38.4
110 36.6 29.1 43.7



#61
Isopropylbenzene
Concen: 56.540 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion:105 Resp: 286982
Ion Ratio Lower Upper
105 100
120 26.0 20.9 31.3
77 15.4 12.5 18.7

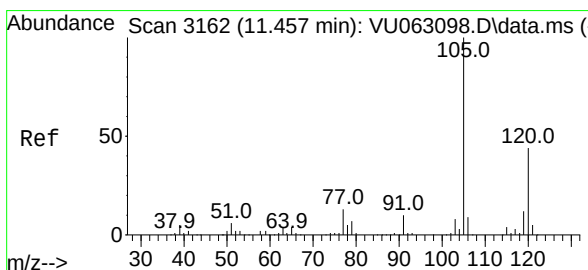
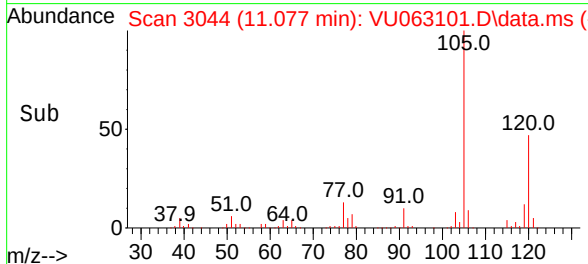
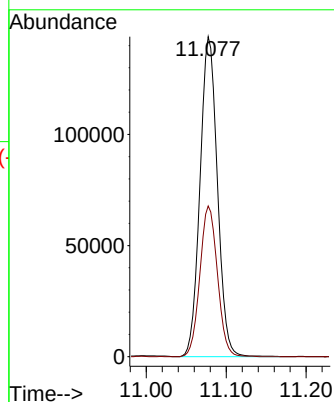
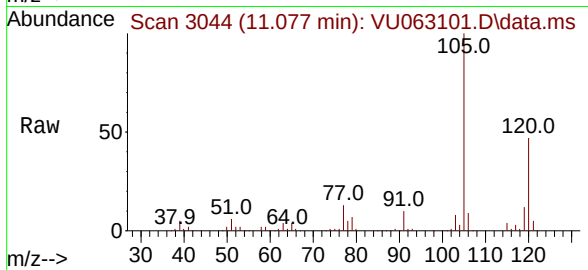




#62
1,3,5-Trimethylbenzene
Concen: 52.561 ug/L
RT: 11.077 min Scan# 3044
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

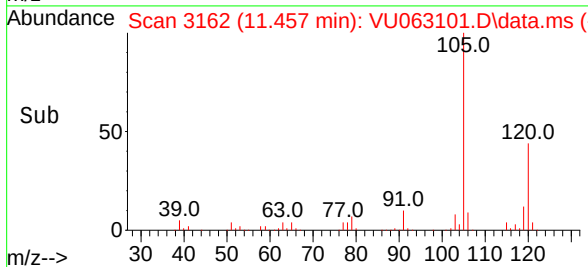
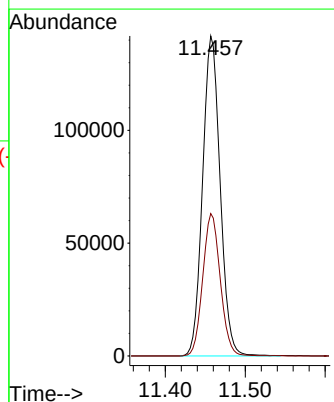
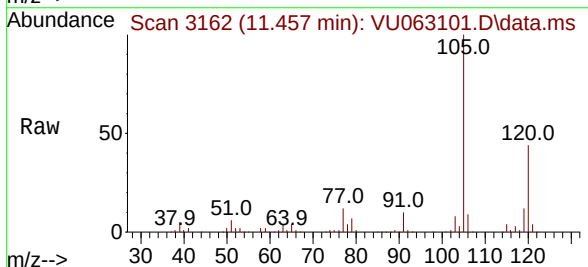
Instrument :
MSVOA_U
ClientSampleId :

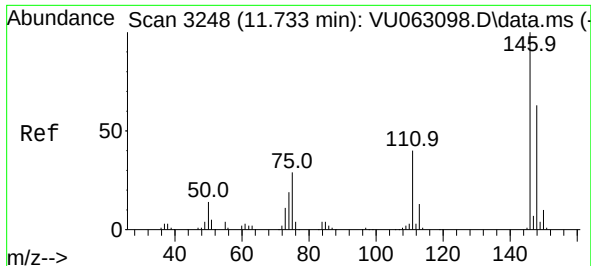
Tgt Ion:105 Resp: 218212
Ion Ratio Lower Upper
105 100
120 47.5 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 52.551 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VU063101.D
Acq: 30 Jan 2025 15:36

Tgt Ion:105 Resp: 216953
Ion Ratio Lower Upper
105 100
120 44.4 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 49.636 ug/L

RT: 11.737 min Scan# 3248

Delta R.T. 0.003 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

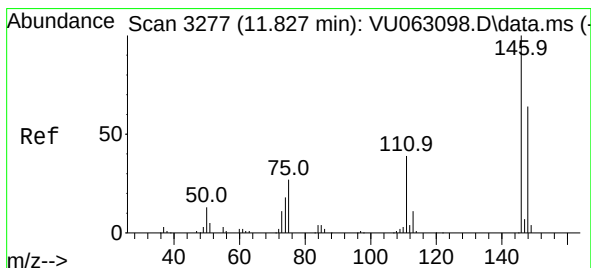
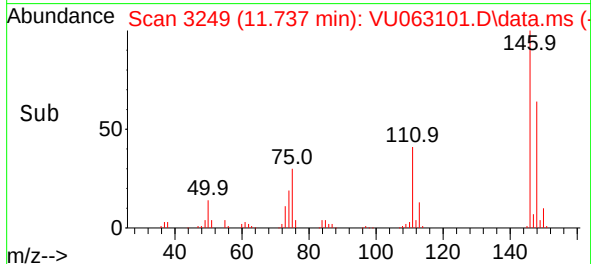
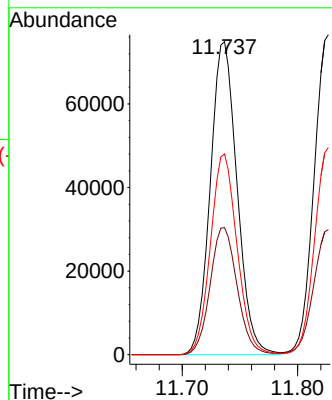
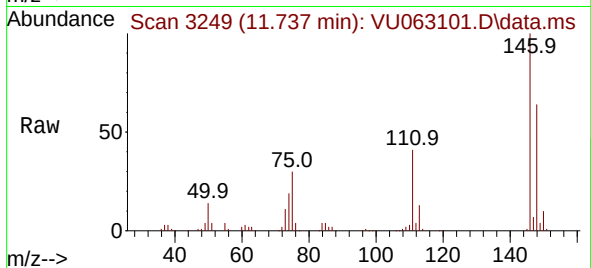
Tgt Ion:146 Resp: 120678

Ion Ratio Lower Upper

146 100

111 40.6 28.1 52.3

148 64.2 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 50.499 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

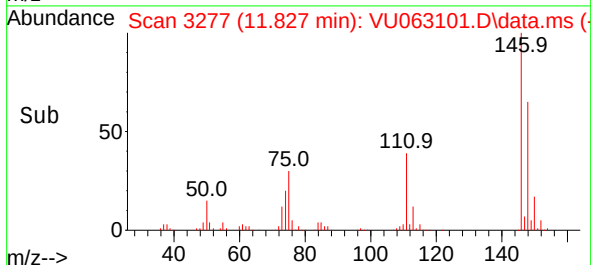
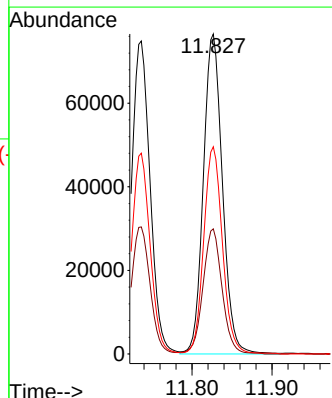
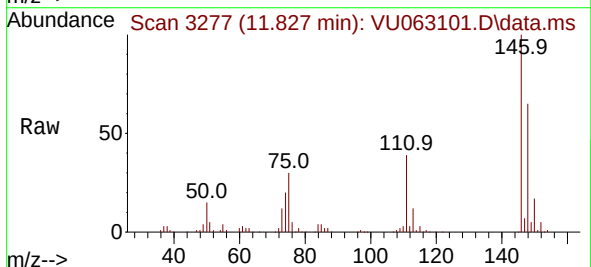
Tgt Ion:146 Resp: 127229

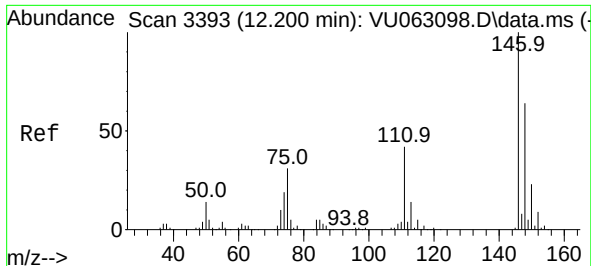
Ion Ratio Lower Upper

146 100

111 39.1 27.2 50.6

148 64.7 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 49.502 ug/L

RT: 12.203 min Scan# 3393

Delta R.T. 0.003 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

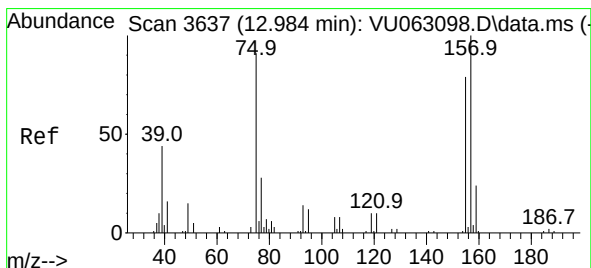
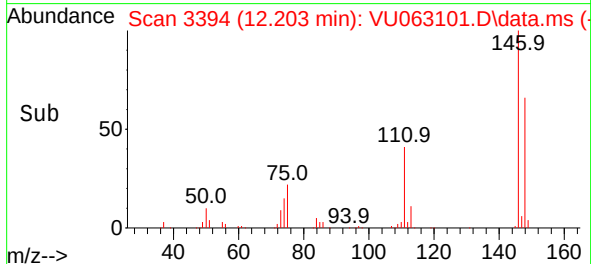
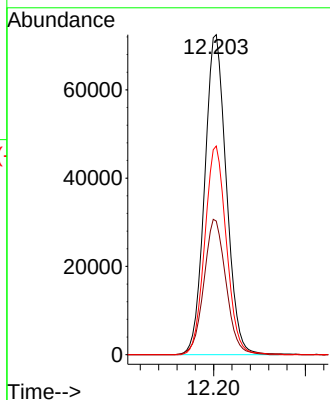
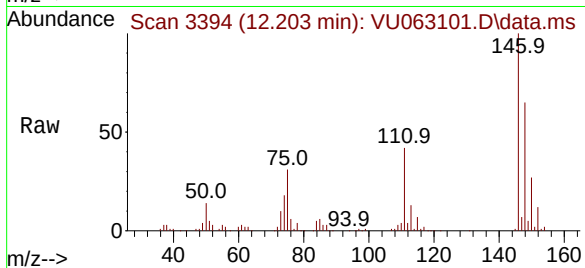
Tgt Ion:146 Resp: 118732

Ion Ratio Lower Upper

146 100

111 41.7 33.6 50.4

148 65.2 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 49.362 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

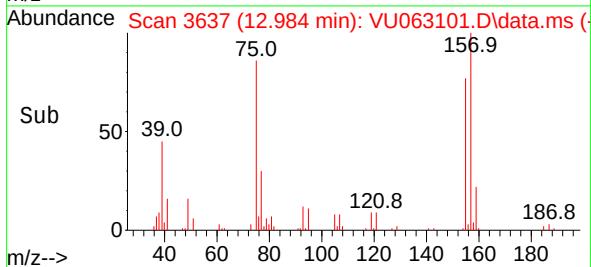
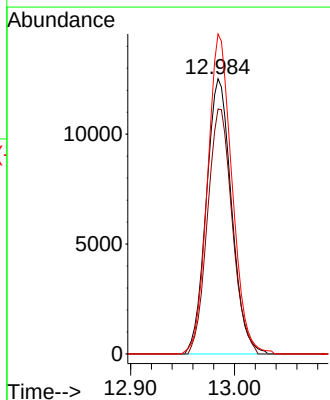
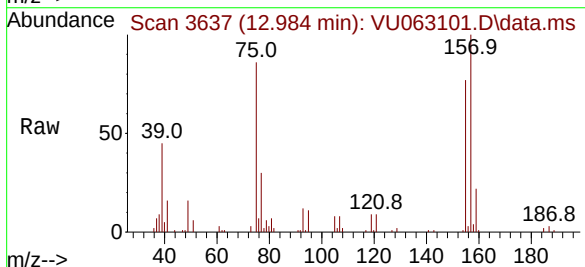
Tgt Ion: 75 Resp: 21168

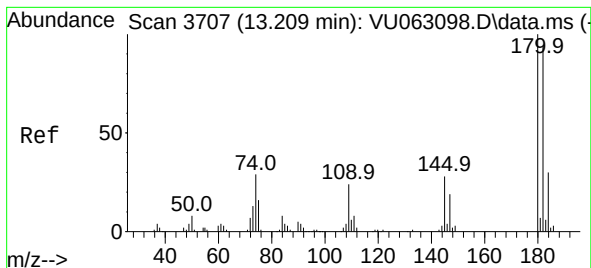
Ion Ratio Lower Upper

75 100

155 89.0 69.4 104.0

157 116.3 91.4 137.0





#69

1,3,5-Trichlorobenzene

Concen: 51.141 ug/L

RT: 13.209 min Scan# 3707

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 83685

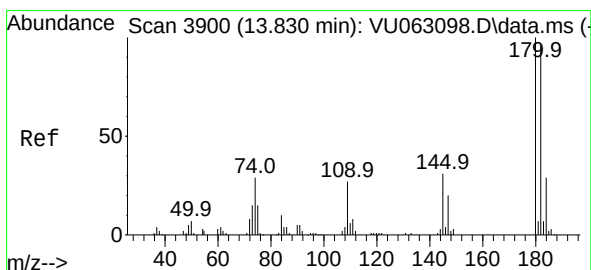
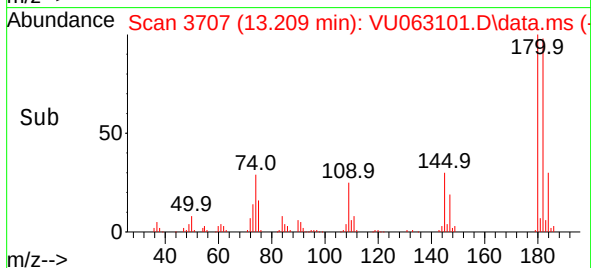
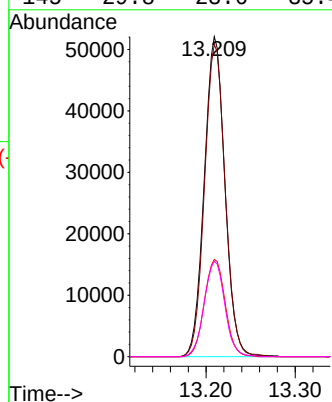
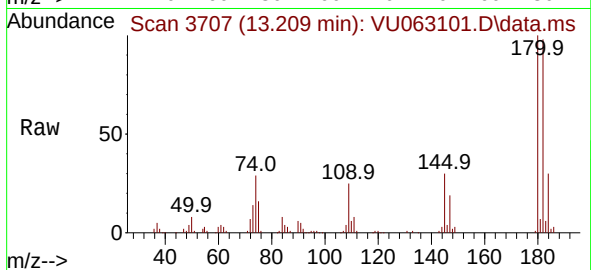
Ion Ratio Lower Upper

180 100

182 97.4 76.3 114.5

184 30.7 24.5 36.7

145 29.8 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 53.080 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

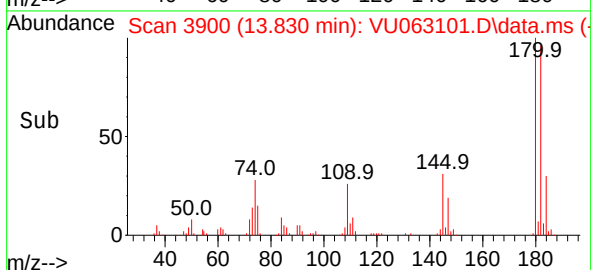
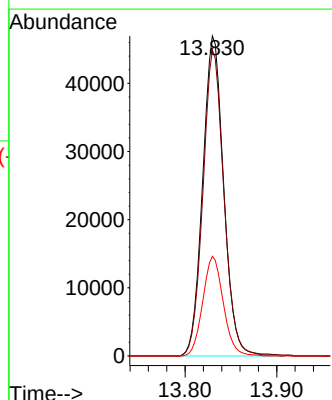
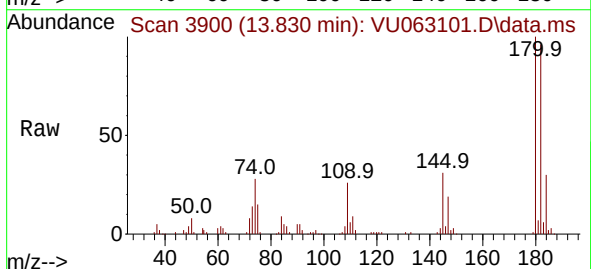
Tgt Ion:180 Resp: 74736

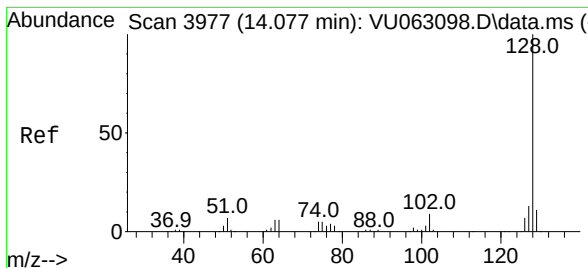
Ion Ratio Lower Upper

180 100

182 95.1 75.5 113.3

145 30.5 24.6 36.8





#71

Naphthalene

Concen: 57.802 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Instrument :

MSVOA_U

ClientSampleId :

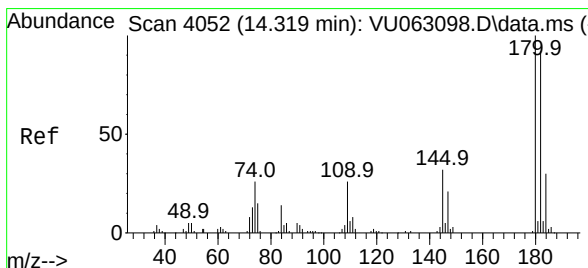
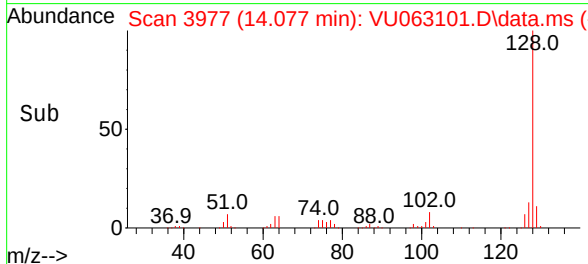
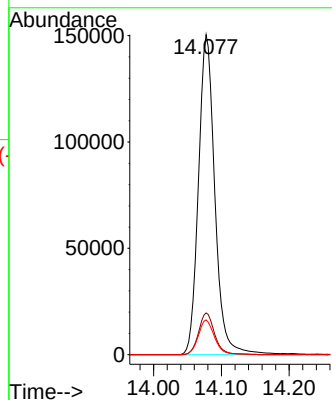
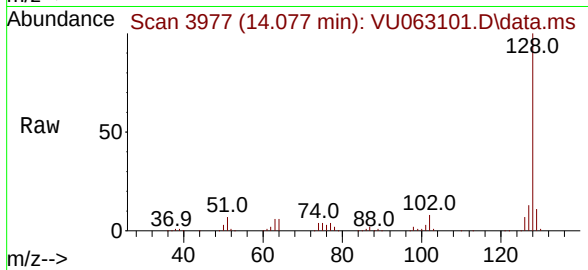
Tgt Ion:128 Resp: 252412

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 52.750 ug/L

RT: 14.318 min Scan# 4052

Delta R.T. -0.000 min

Lab File: VU063101.D

Acq: 30 Jan 2025 15:36

Tgt Ion:180 Resp: 71789

Ion Ratio Lower Upper

180 100

182 96.3 75.2 112.8

145 32.5 25.6 38.4

