

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063614.D
 Acq On : 22 Sep 2025 10:57
 Operator : MD/SY
 Sample : VSTD050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 23 05:13:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:11:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	258132	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	248643	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	131728	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	85907	45.111	ug/L	0.00
7) Chloroethane-d5	1.898	69	74817	41.123	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	156049	43.352	ug/L	0.00
21) 2-Butanone-d5	4.612	46	122806	77.072	ug/L	0.00
24) Chloroform-d	5.046	84	164534	41.424	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.686	65	107353	43.813	ug/L	0.00
32) Benzene-d6	5.711	84	311303	43.285	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	100145	41.238	ug/L	0.00
41) Toluene-d8	7.888	98	287559	45.291	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	34917	36.691	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	72827	81.379	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	152986	40.977	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	110189	46.531	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	70143	30.698	ug/L	100
3) Chloromethane	1.515	50	90432	34.380	ug/L	100
5) Vinyl chloride	1.596	62	105430	36.325	ug/L	100
6) Bromomethane	1.837	94	67304	40.450	ug/L	100
8) Chloroethane	1.917	64	72183	39.063	ug/L	100
9) Trichlorofluoromethane	2.126	101	156779	44.108	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	84923	40.422	ug/L	100
12) 1,1-Dichloroethene	2.567	96	74829	40.439	ug/L	100
13) Acetone	2.615	43	128982	102.738	ug/L	100
14) Carbon disulfide	2.779	76	193110	32.707	ug/L	100
15) Methyl Acetate	2.940	43	106907	41.758	ug/L	100
16) Methylene chloride	3.030	84	93260	38.926	ug/L	100
17) trans-1,2-Dichloroethene	3.338	96	81083	40.813	ug/L	100
18) Methyl tert-butyl Ether	3.351	73	263215	43.588	ug/L	100
19) 1,1-Dichloroethane	3.853	63	169873	40.845	ug/L	100
20) cis-1,2-Dichloroethene	4.650	96	95343	42.062	ug/L	100
22) 2-Butanone	4.692	43	154009	84.272	ug/L	100
23) Bromochloromethane	4.959	128	50560	41.603	ug/L	100
25) Chloroform	5.071	83	176526	42.014	ug/L	100
27) 1,2-Dichloroethane	5.779	62	148381	44.753	ug/L	100
29) Cyclohexane	5.374	56	150540	46.563	ug/L	100
30) 1,1,1-Trichloroethane	5.300	97	140300	45.307	ug/L	100
31) Carbon tetrachloride	5.509	117	109851	42.926	ug/L	100
33) Benzene	5.759	78	374877	44.715	ug/L	100
34) Trichloroethene	6.528	95	97242	44.791	ug/L	100
35) Methylcyclohexane	6.750	83	145922	45.320	ug/L	100
37) 1,2-Dichloropropane	6.775	63	98217	39.947	ug/L	100
38) Bromodichloromethane	7.094	83	120322	41.234	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	131014	39.723	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	292085	93.774	ug/L	100
42) Toluene	7.959	91	402263	45.851	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	110032	36.270	ug/L	100

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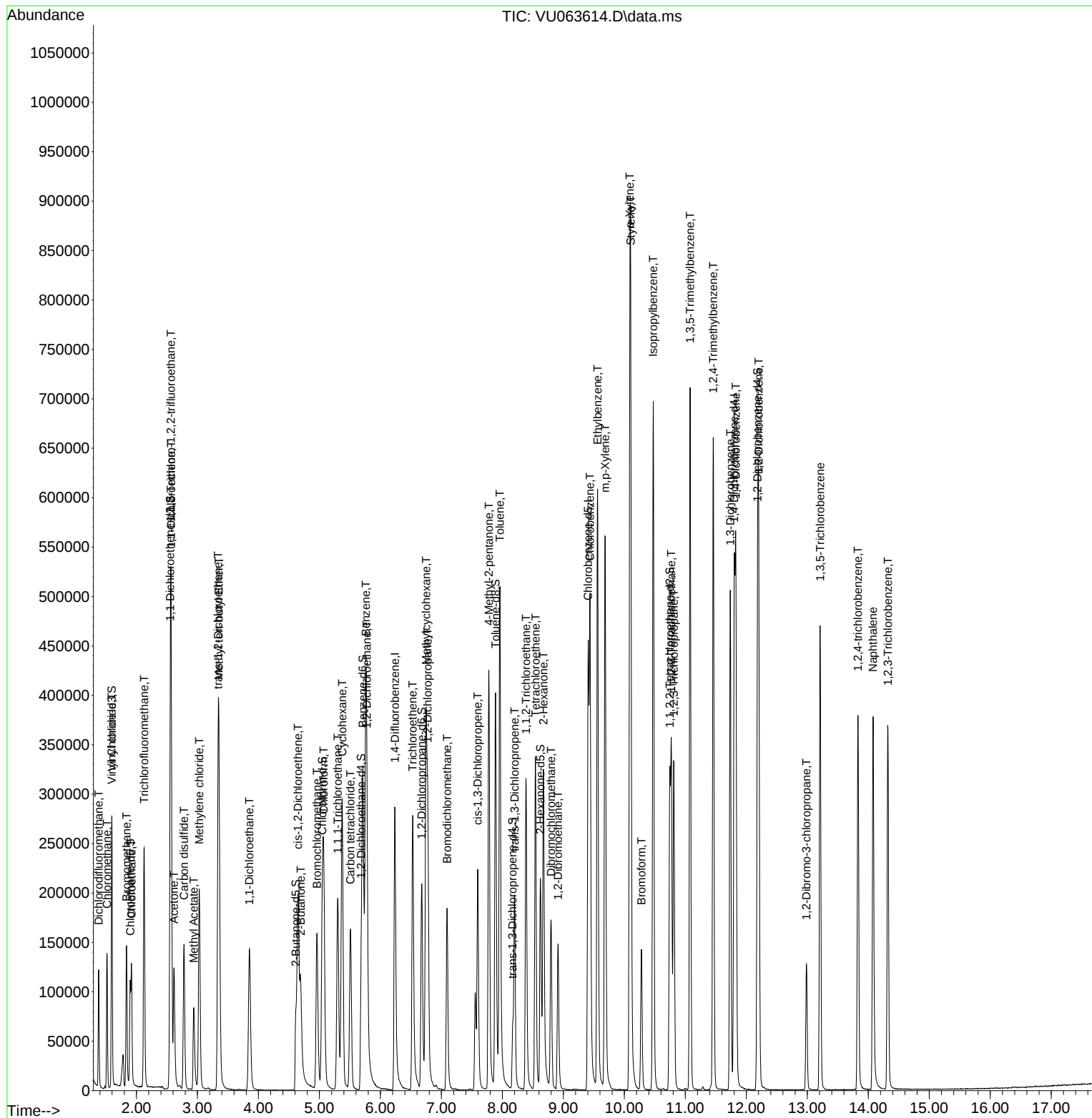
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	99458	43.530	ug/L	100
46) Tetrachloroethene	8.544	164	74113	45.862	ug/L	100
48) 2-Hexanone	8.673	43	218239	91.243	ug/L	100
49) Dibromochloromethane	8.798	129	88567	41.391	ug/L	100
50) 1,2-Dibromoethane	8.910	107	102103	43.717	ug/L	100
51) Chlorobenzene	9.438	112	262861	45.619	ug/L	100
52) Ethylbenzene	9.560	91	450353	48.175	ug/L	100
53) m,p-Xylene	9.685	106	165466	48.277	ug/L	100
54) o-Xylene	10.090	106	168518	50.883	ug/L	100
55) Styrene	10.103	104	278867	49.837	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	166097	41.154	ug/L	100
59) Bromoform	10.280	173	63160	37.774	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	136847	44.147	ug/L	100
61) Isopropylbenzene	10.473	105	449787	51.588	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	377799	55.058	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	366310	56.198	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	203188	47.529	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	205478	46.899	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	201746	46.706	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	31010	37.750	ug/L	100
69) 1,3,5-Trichlorobenzene	13.209	180	142546	48.798	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	116860	51.269	ug/L	100
71) Naphthalene	14.077	128	315485	51.309	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	110830	49.982	ug/L	100

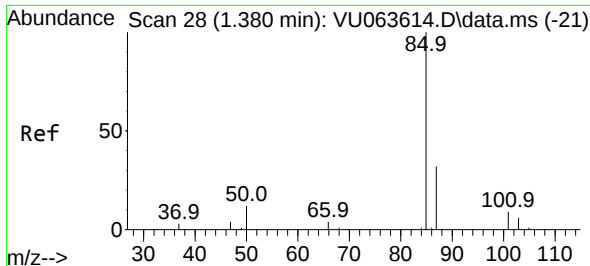
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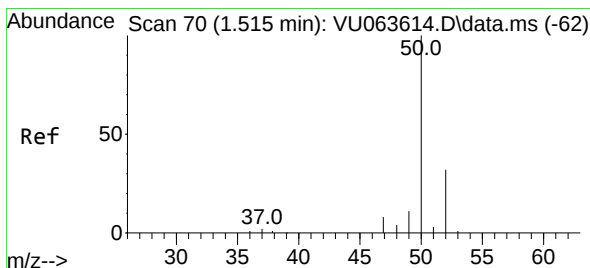
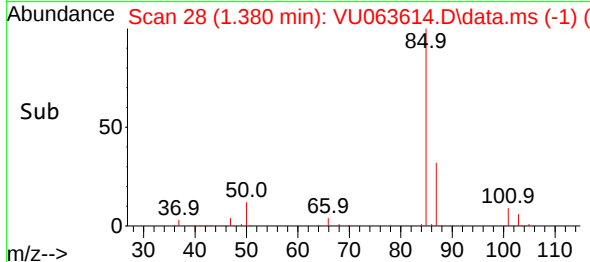
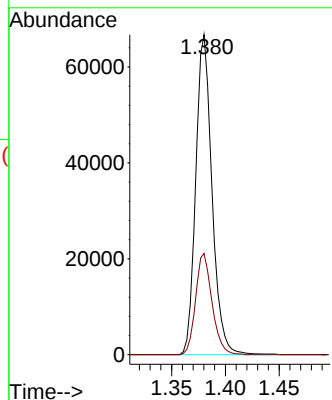
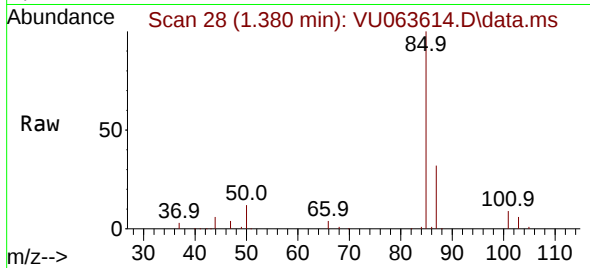




#2
 Dichlorodifluoromethane
 Concen: 30.698 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

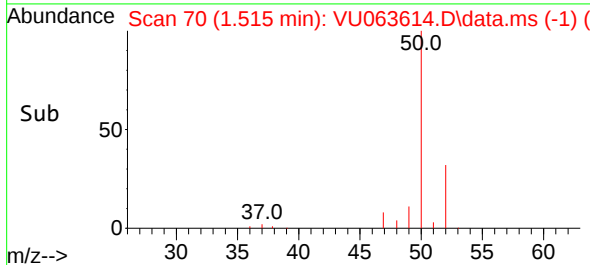
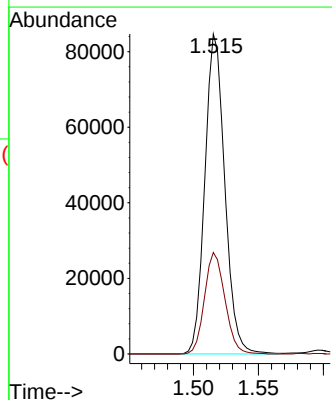
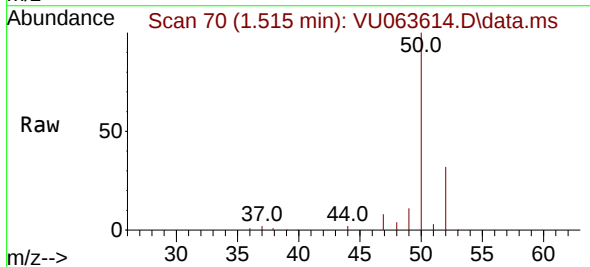
Instrument :
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 ClientSampleId :

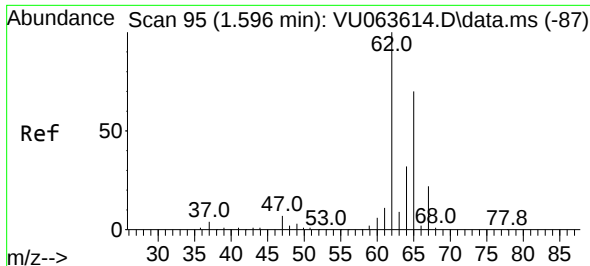
Tgt Ion: 85 Resp: 70143
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.5 38.3



#3
 Chloromethane
 Concen: 34.380 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Tgt Ion: 50 Resp: 90432
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.2 41.2

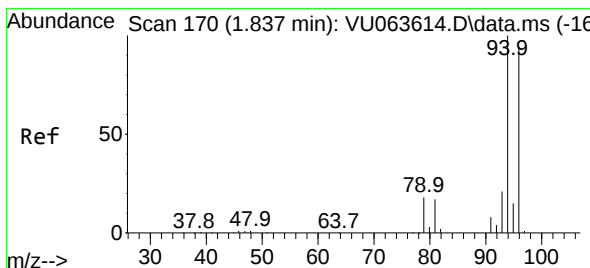
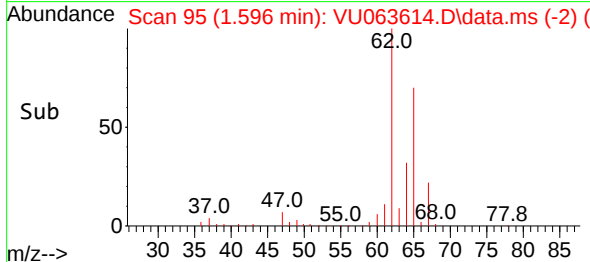
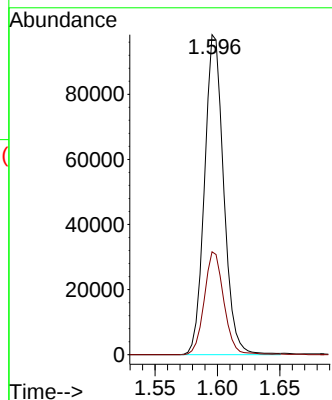
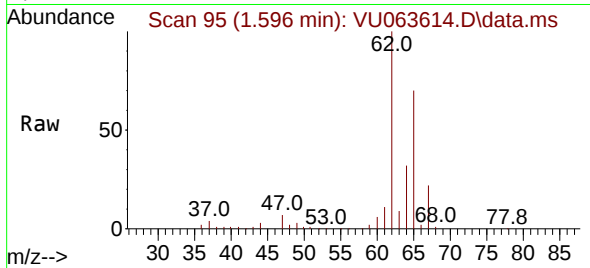




#5
 Vinyl chloride
 Concen: 36.325 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

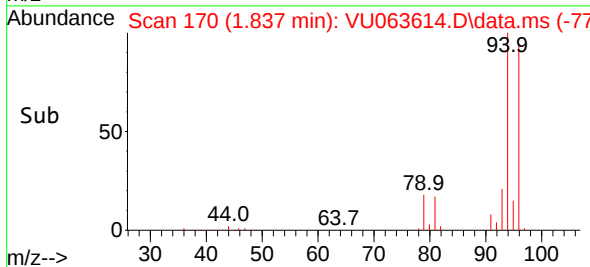
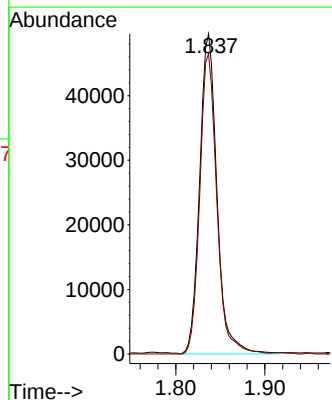
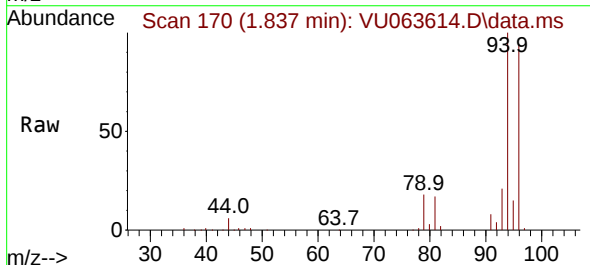
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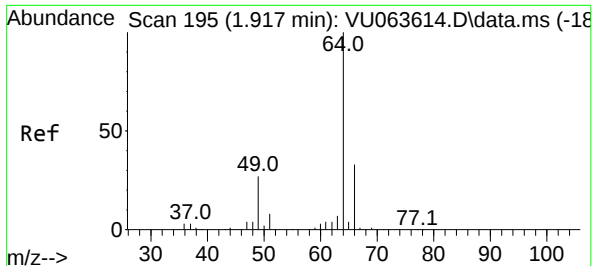
Tgt Ion: 62 Resp: 105430
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.5 41.7



#6
 Bromomethane
 Concen: 40.450 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Tgt Ion: 94 Resp: 67304
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.7 122.1

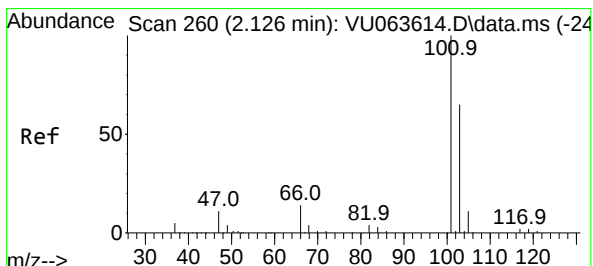
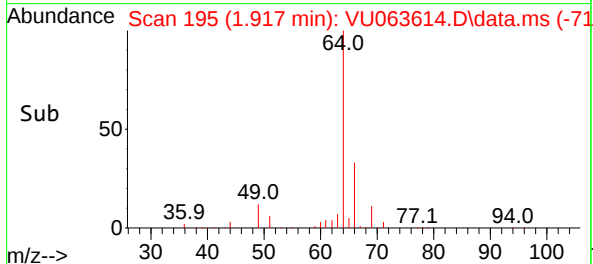
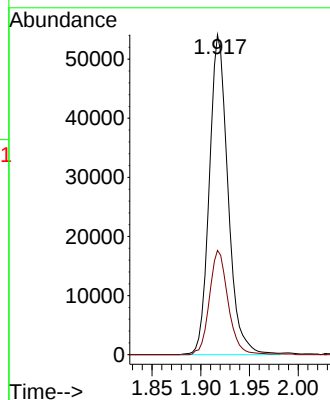
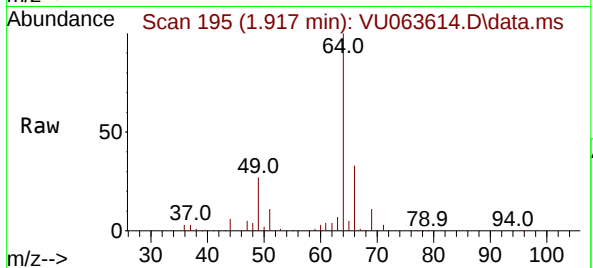




#8
 Chloroethane
 Concen: 39.063 ug/L
 RT: 1.917 min Scan# 195
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

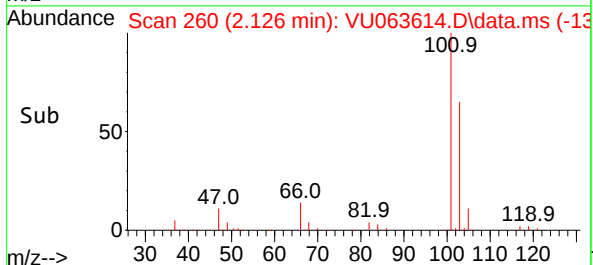
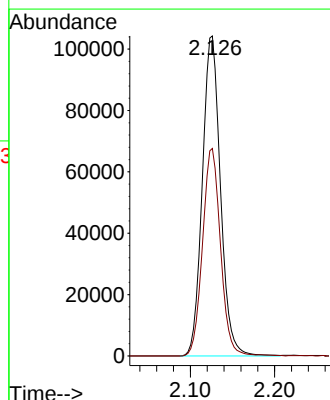
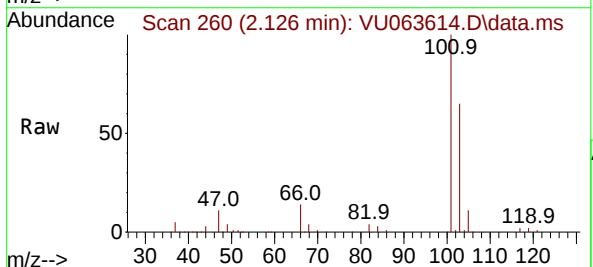
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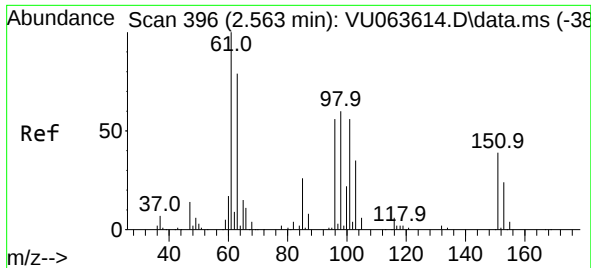
Tgt Ion: 64 Resp: 72183
 Ion Ratio Lower Upper
 64 100
 66 32.6 22.8 42.4



#9
 Trichlorofluoromethane
 Concen: 44.108 ug/L
 RT: 2.126 min Scan# 260
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Tgt Ion:101 Resp: 156779
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.1 76.7

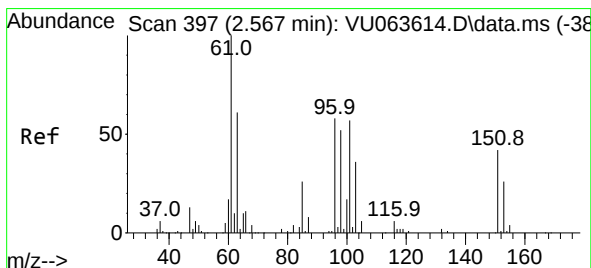
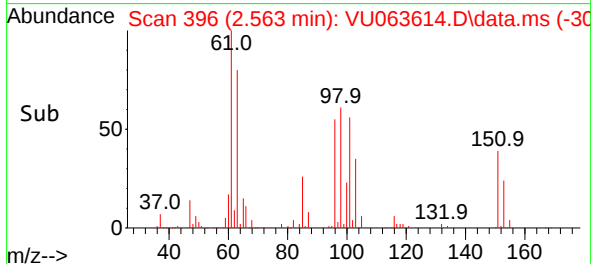
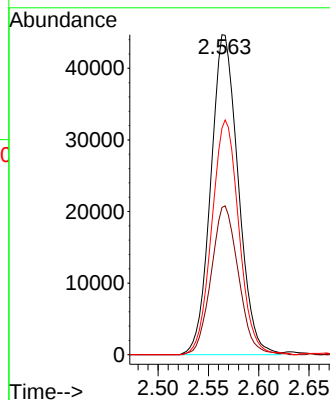
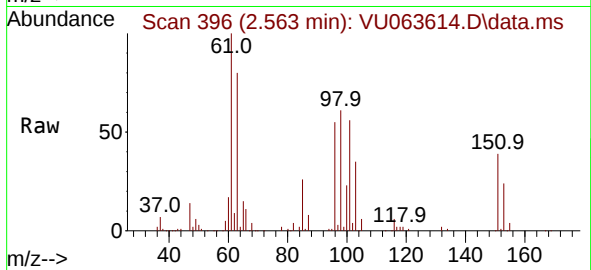




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 40.422 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

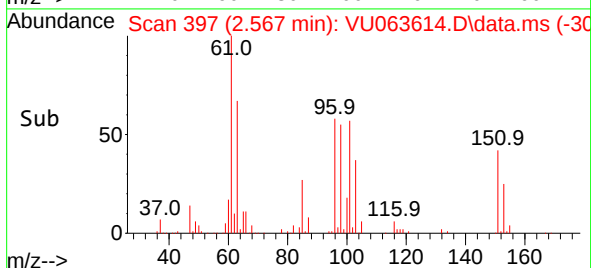
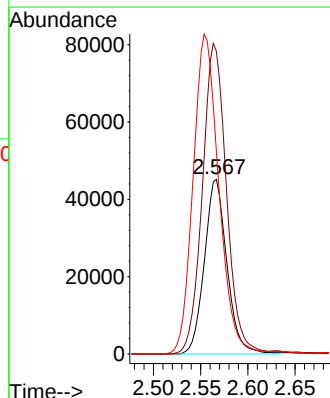
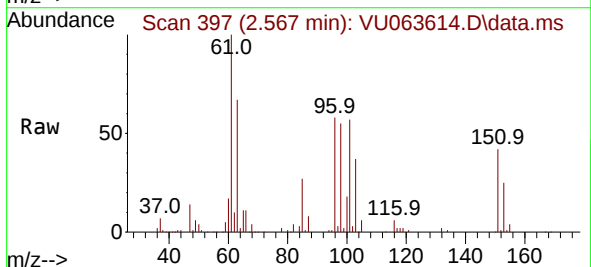
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 ClientSampleId :

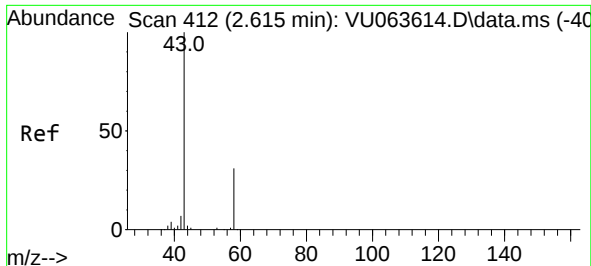
Tgt Ion:101 Resp: 84923
 Ion Ratio Lower Upper
 101 100
 85 46.0 36.8 55.2
 151 72.5 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 40.439 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Tgt Ion: 96 Resp: 74829
 Ion Ratio Lower Upper
 96 100
 61 173.4 121.4 225.4
 63 116.4 81.5 151.3





#13

Acetone

Concen: 102.738 ug/L

RT: 2.615 min Scan# 412

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

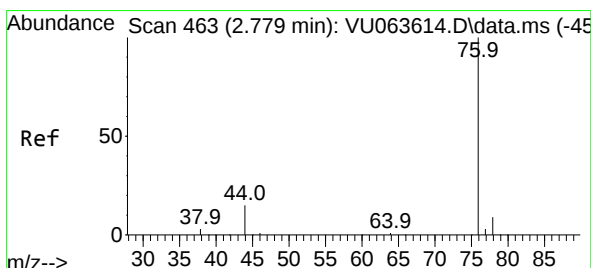
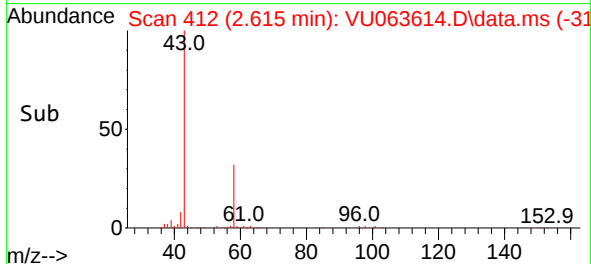
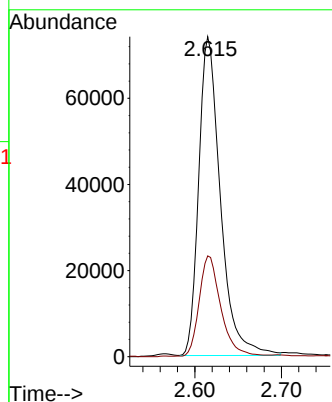
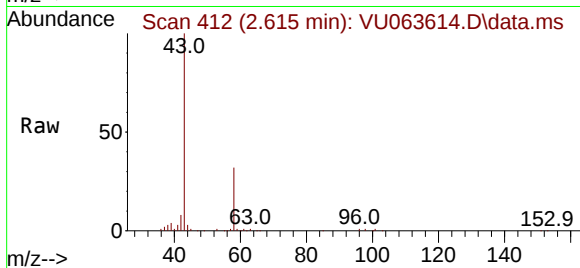
ClientSampleId :

Tgt Ion: 43 Resp: 128982

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.4



#14

Carbon disulfide

Concen: 32.707 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU063614.D

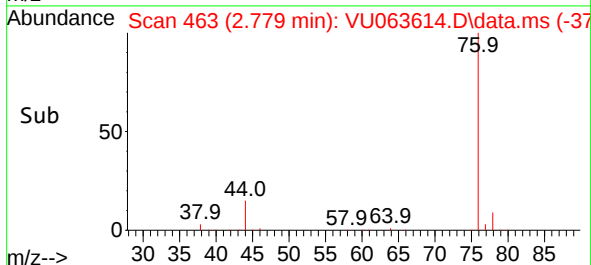
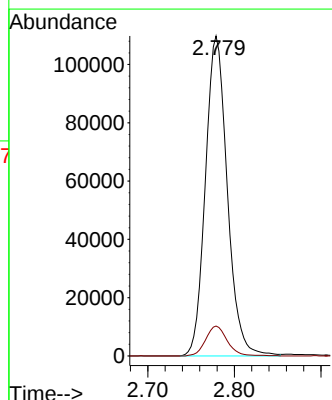
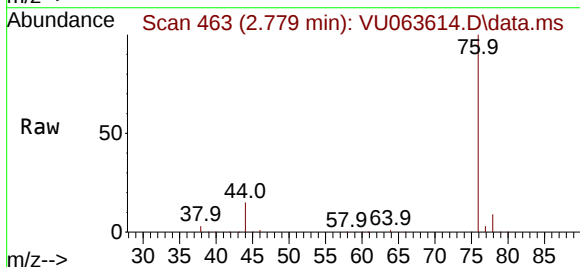
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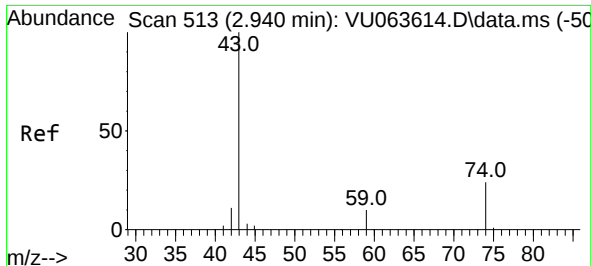
Tgt Ion: 76 Resp: 193110

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

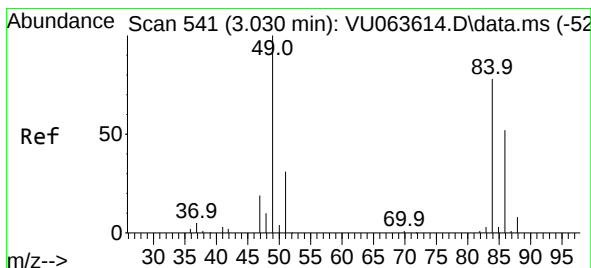
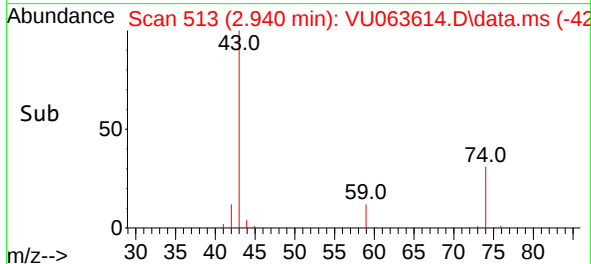
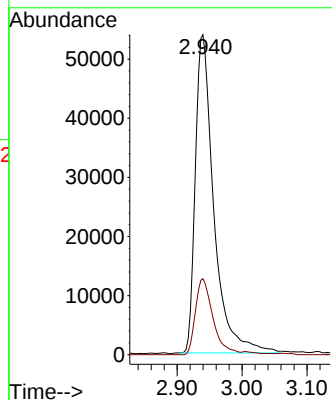
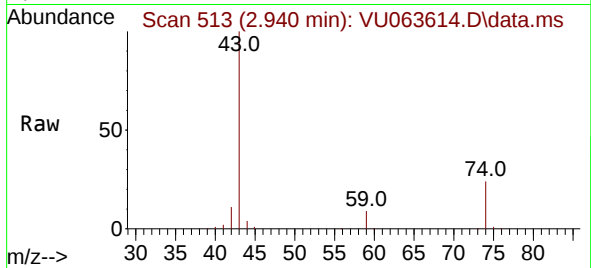




#15
Methyl Acetate
Concen: 41.758 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

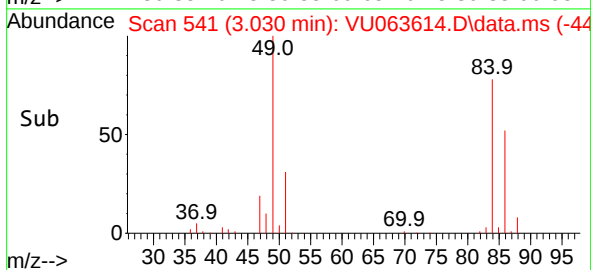
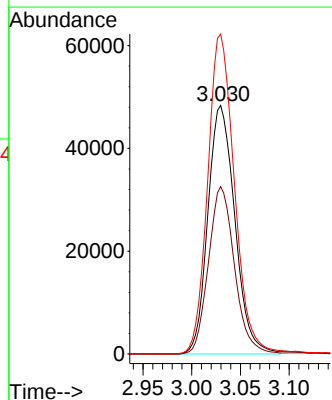
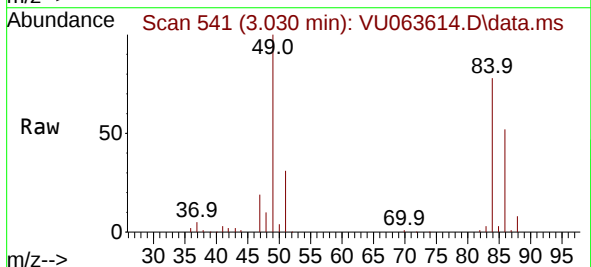
Instrument :
MSVOA_U
ClientSampleId :

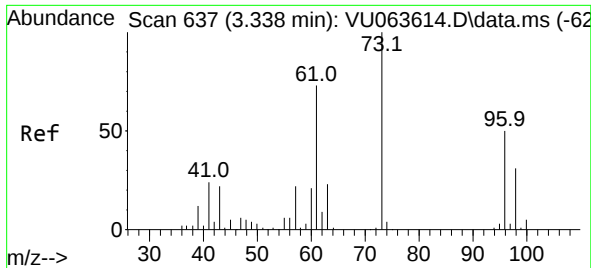
Tgt Ion: 43 Resp: 106907
Ion Ratio Lower Upper
43 100
74 22.5 18.0 27.0



#16
Methylene chloride
Concen: 38.926 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Tgt Ion: 84 Resp: 93260
Ion Ratio Lower Upper
84 100
86 67.4 47.2 87.6
49 128.8 90.2 167.4



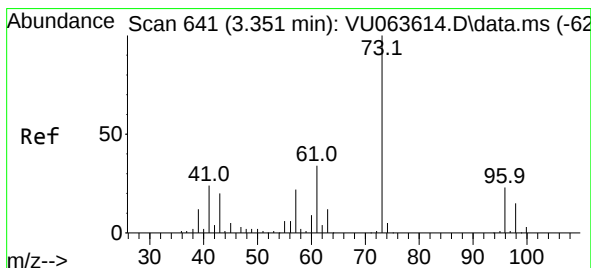
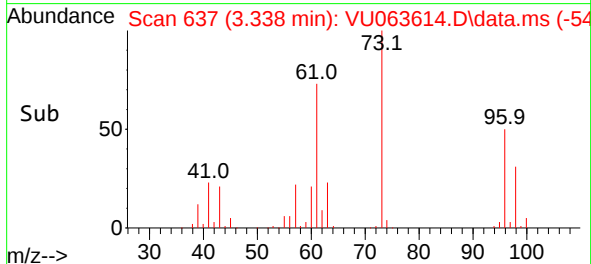
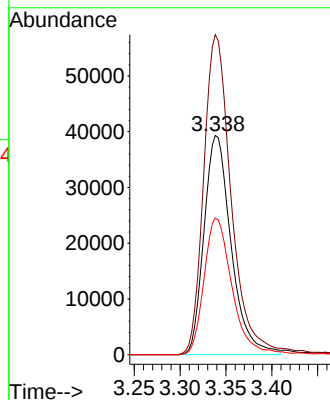
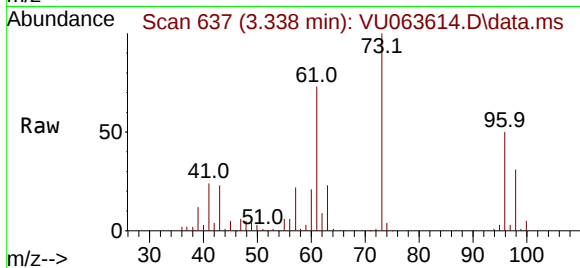


#17
 trans-1,2-Dichloroethene
 Concen: 40.813 ug/L
 RT: 3.338 min Scan# 617
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 81083

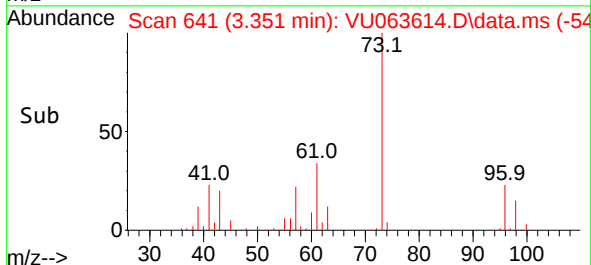
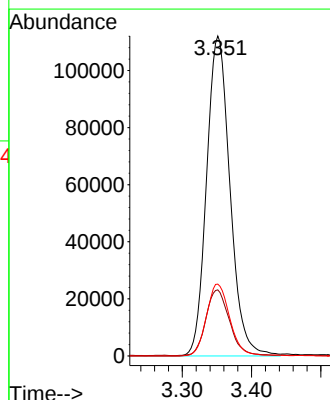
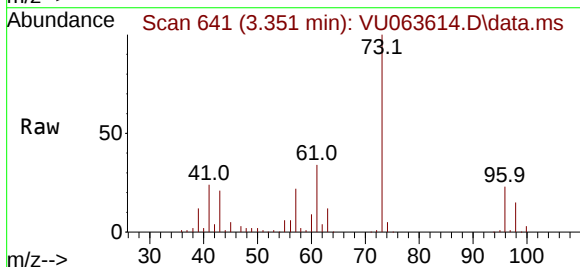
Ion	Ratio	Lower	Upper
96	100		
61	146.0	102.2	189.8
98	62.4	43.7	81.1

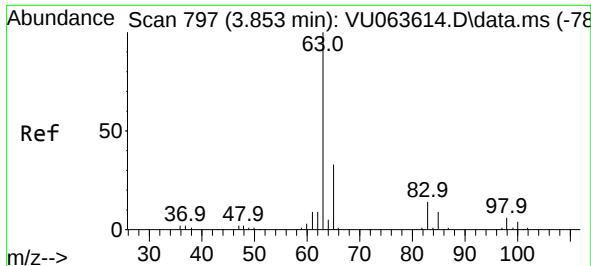


#18
 Methyl tert-butyl Ether
 Concen: 43.588 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Tgt Ion: 73 Resp: 263215

Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.5	24.7
57	22.2	17.8	26.6





#19

1,1-Dichloroethane

Concen: 40.845 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

ClientSampleId :

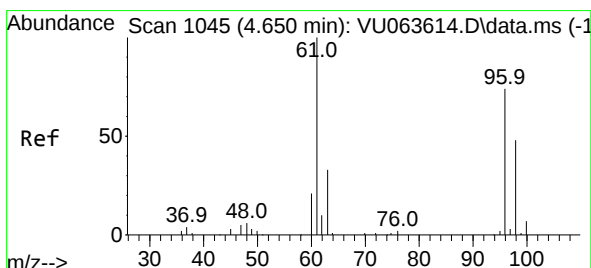
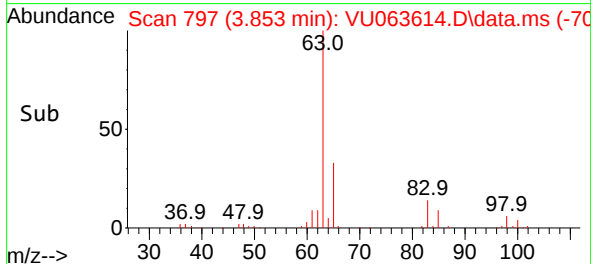
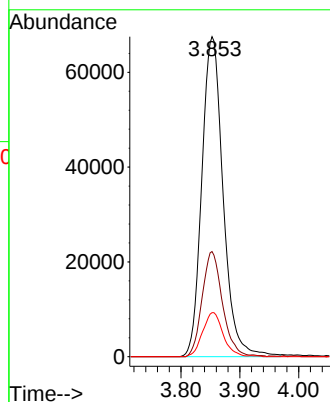
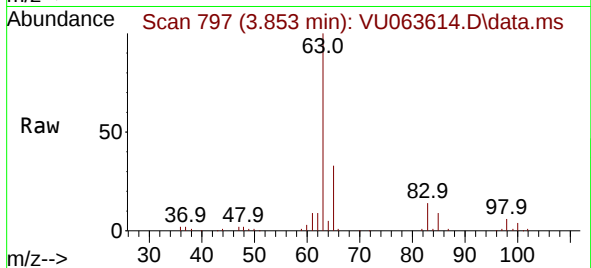
Tgt Ion: 63 Resp: 169873

Ion Ratio Lower Upper

63 100

65 32.9 23.0 42.8

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 42.062 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

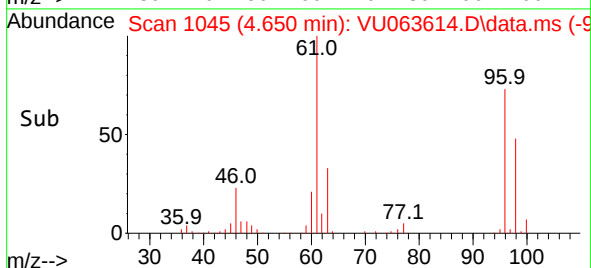
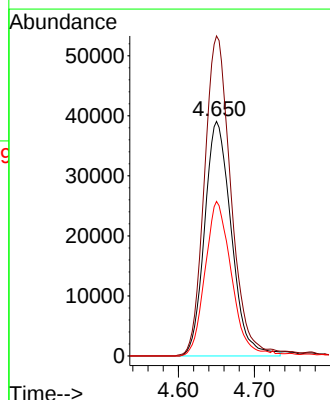
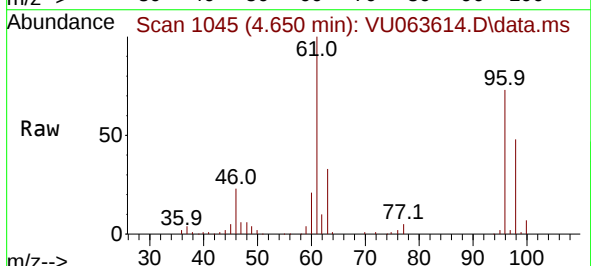
Tgt Ion: 96 Resp: 95343

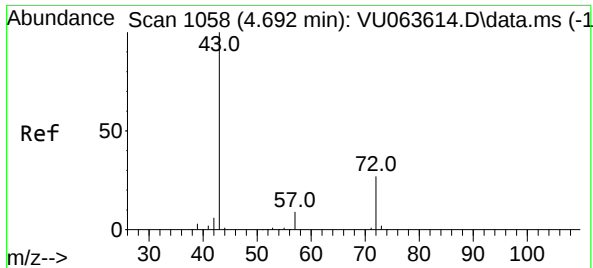
Ion Ratio Lower Upper

96 100

61 136.4 95.5 177.3

98 65.9 46.1 85.7

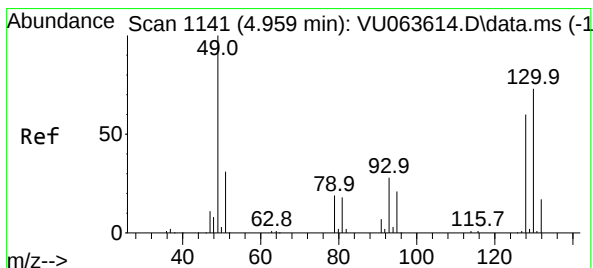
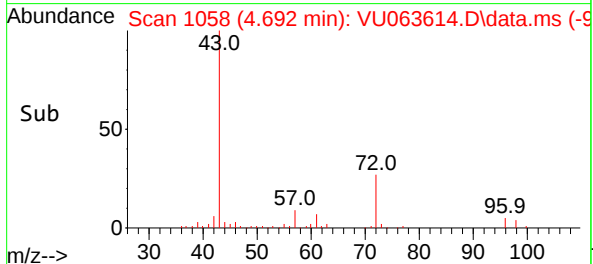
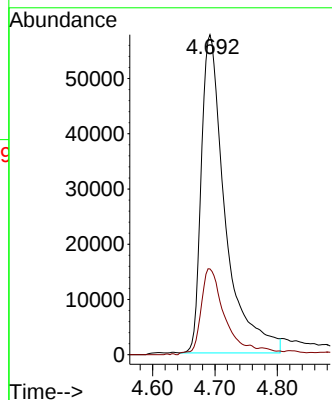
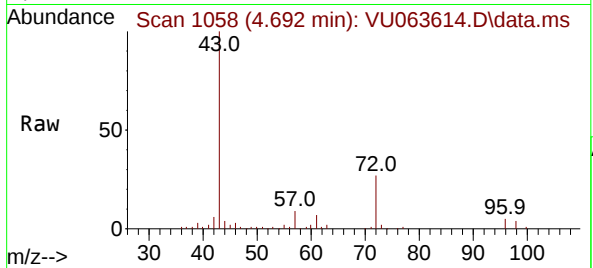




#22
2-Butanone
Concen: 84.272 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

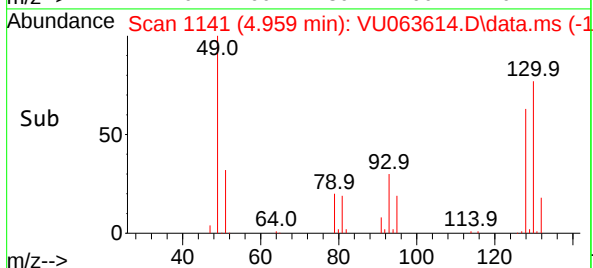
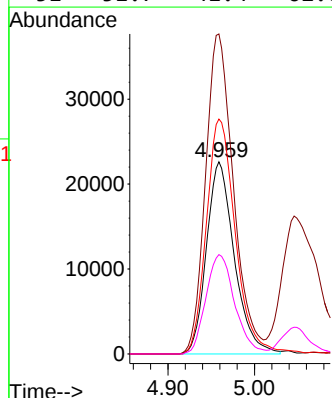
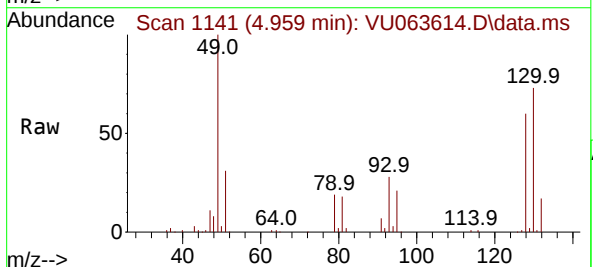
Instrument :
MSVOA_U
ClientSampleId :

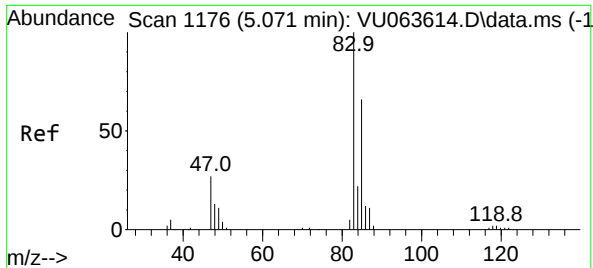
Tgt Ion: 43 Resp: 154009
Ion Ratio Lower Upper
43 100
72 25.4 12.7 38.1



#23
Bromochloromethane
Concen: 41.603 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Tgt Ion:128 Resp: 50560
Ion Ratio Lower Upper
128 100
49 166.5 116.6 216.5
130 122.3 85.6 159.0
51 51.7 41.4 62.0

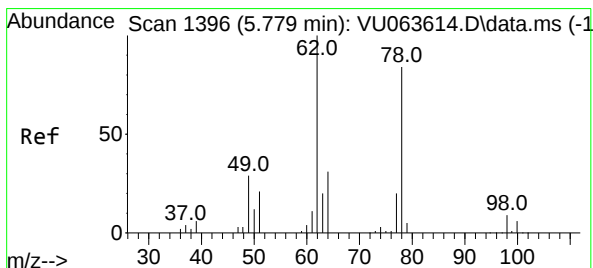
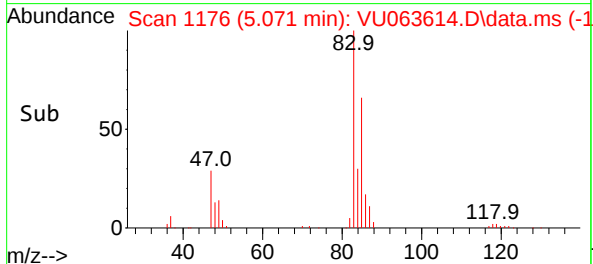
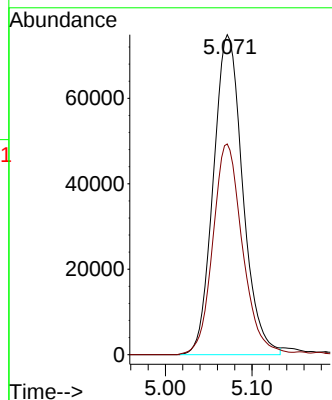
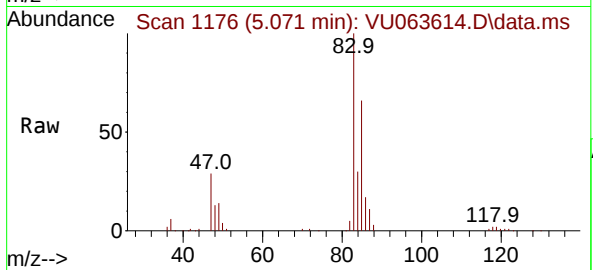




#25
Chloroform
Concen: 42.014 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

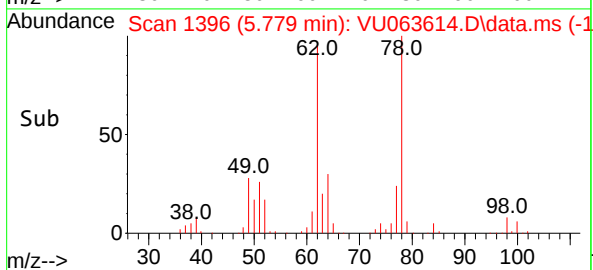
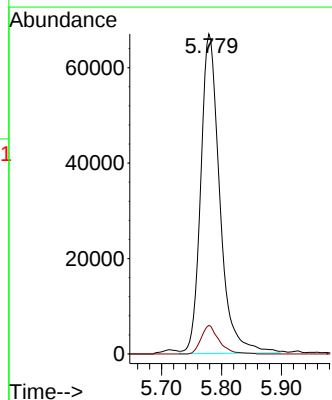
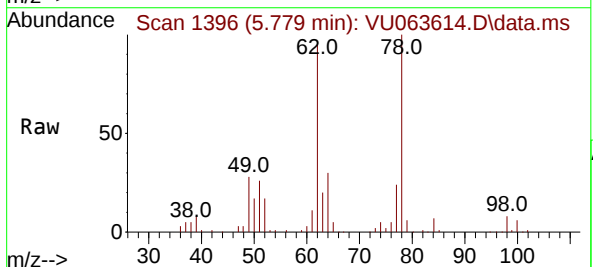
Instrument :
MSVOA_U
ClientSampleId :

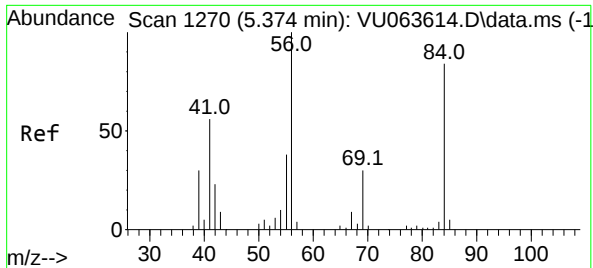
Tgt Ion: 83 Resp: 176526
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 44.753 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Tgt Ion: 62 Resp: 148381
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#29

Cyclohexane

Concen: 46.563 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

ClientSampleId :

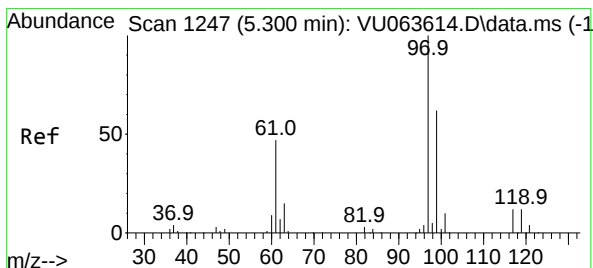
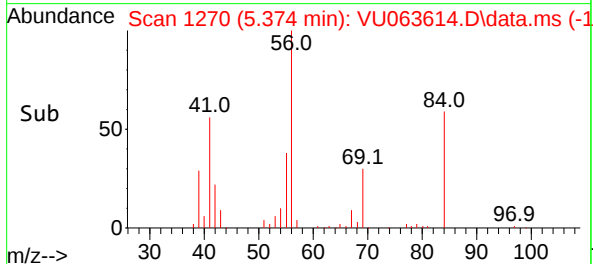
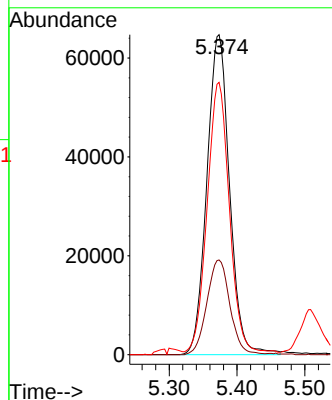
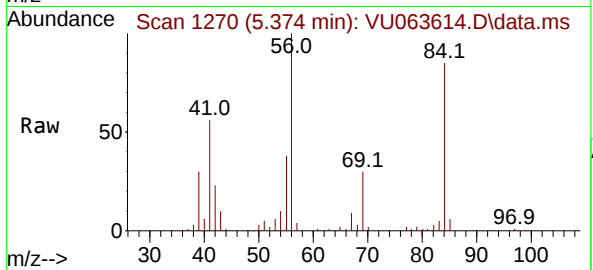
Tgt Ion: 56 Resp: 150540

Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

84 82.1 65.7 98.5



#30

1,1,1-Trichloroethane

Concen: 45.307 ug/L

RT: 5.300 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

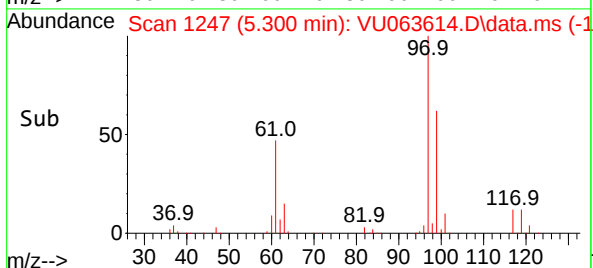
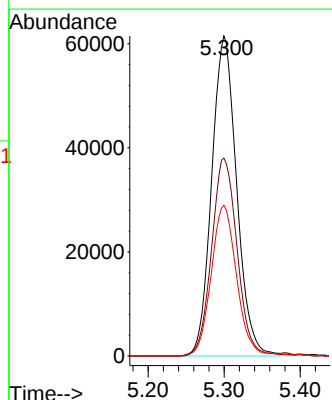
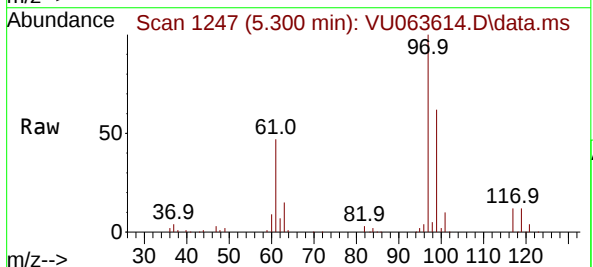
Tgt Ion: 97 Resp: 140300

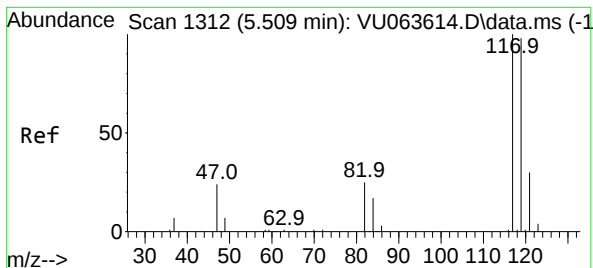
Ion Ratio Lower Upper

97 100

99 63.2 50.6 75.8

61 47.5 38.0 57.0





#31

Carbon tetrachloride

Concen: 42.926 ug/L

RT: 5.509 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

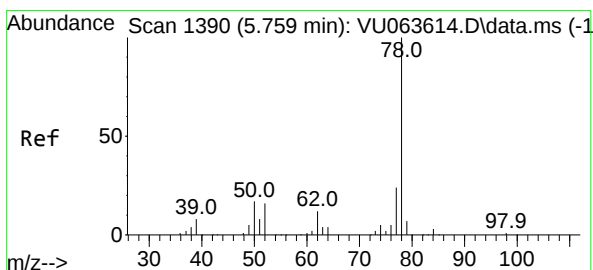
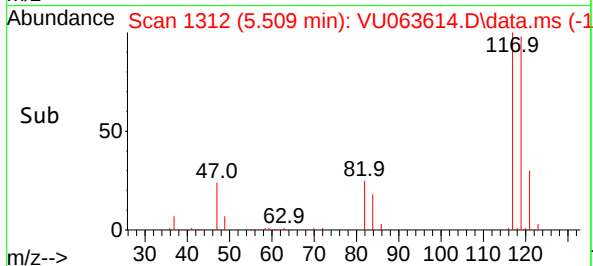
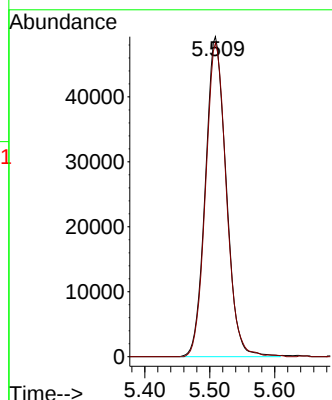
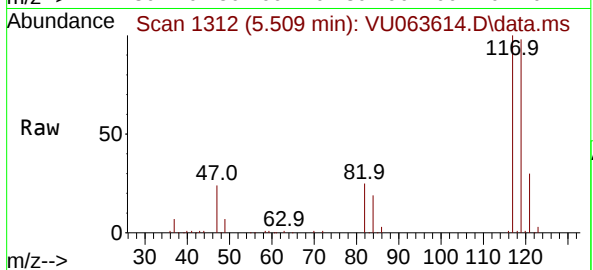
ClientSampleId :

Tgt Ion:117 Resp: 109851

Ion Ratio Lower Upper

117 100

119 97.2 77.8 116.6



#33

Benzene

Concen: 44.715 ug/L

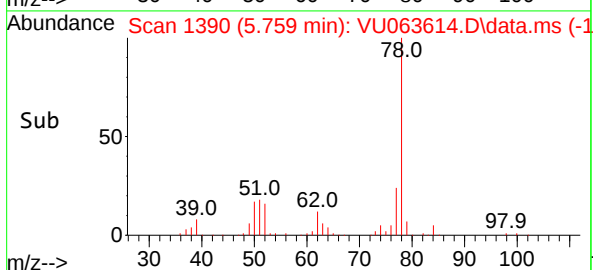
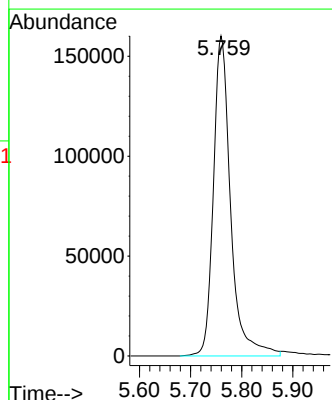
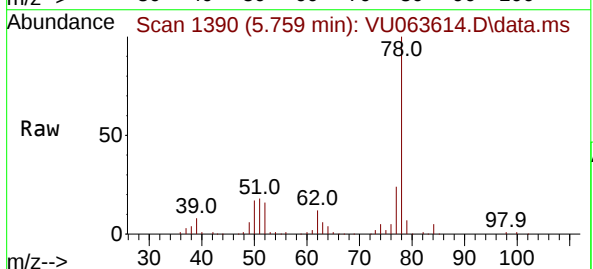
RT: 5.759 min Scan# 1390

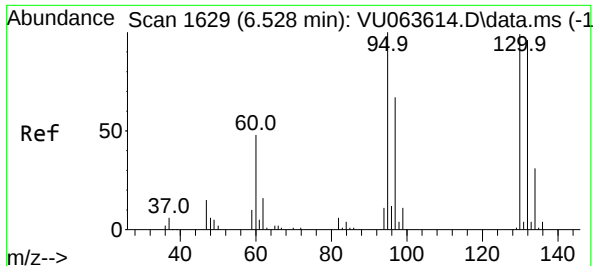
Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Tgt Ion: 78 Resp: 374877





#34

Trichloroethene

Concen: 44.791 ug/L

RT: 6.528 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 97242

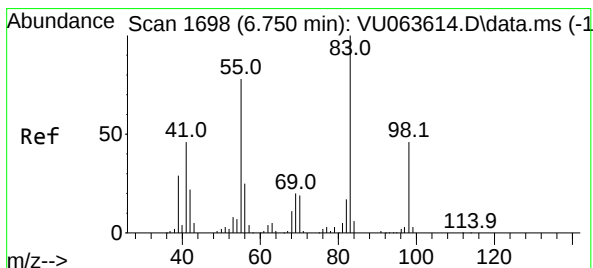
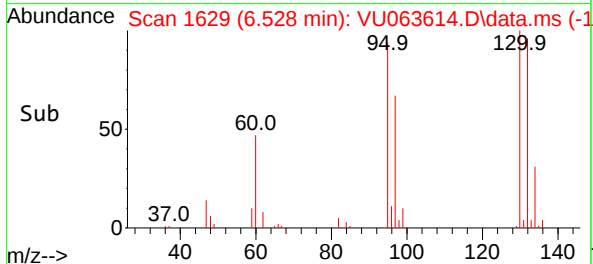
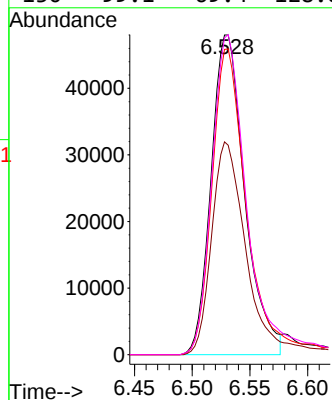
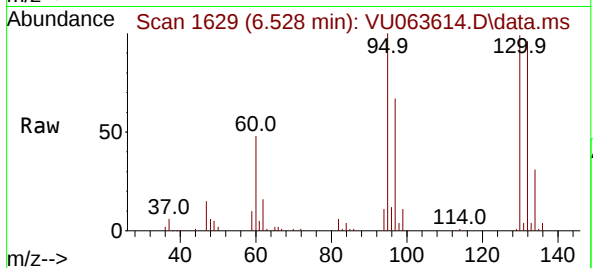
Ion Ratio Lower Upper

95 100

97 66.6 46.6 86.6

132 95.5 66.8 124.2

130 99.1 69.4 128.8



#35

Methylcyclohexane

Concen: 45.320 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

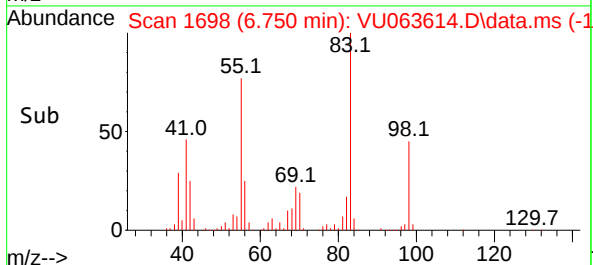
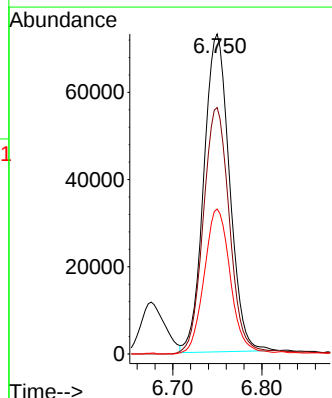
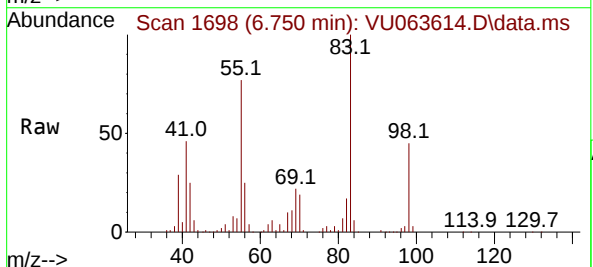
Tgt Ion: 83 Resp: 145922

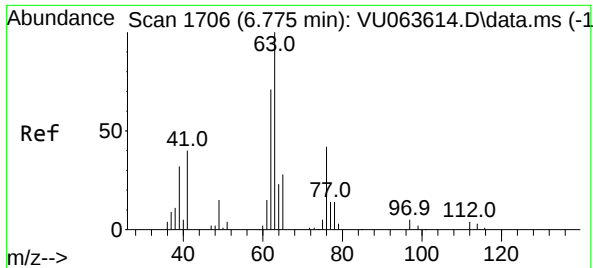
Ion Ratio Lower Upper

83 100

55 79.2 63.4 95.0

98 46.6 37.3 55.9

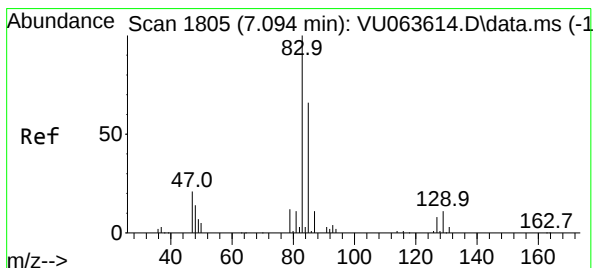
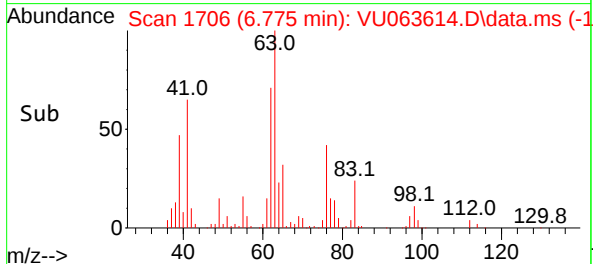
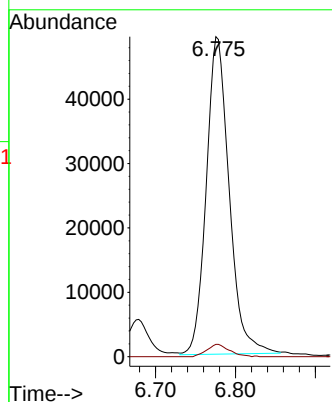
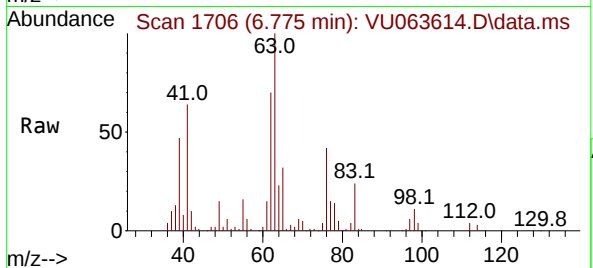




#37
1,2-Dichloropropane
Concen: 39.947 ug/L
RT: 6.775 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

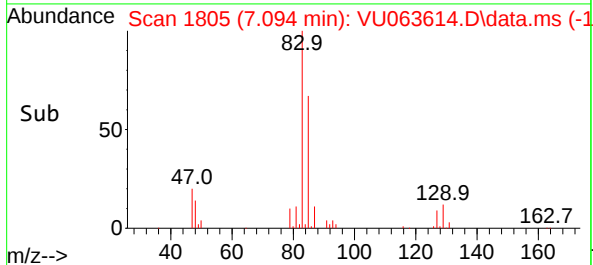
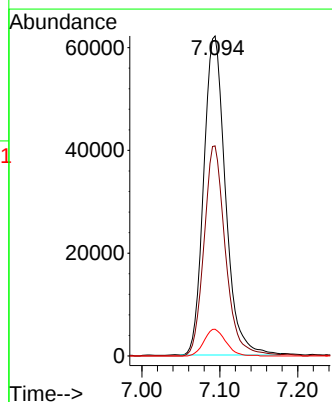
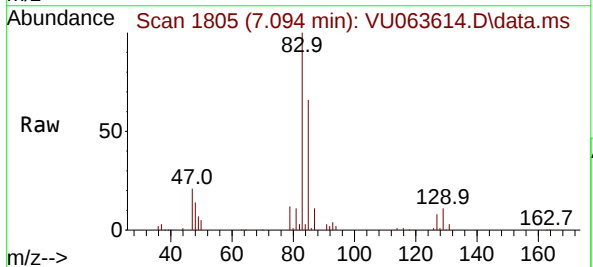
Instrument :
MSVOA_U
ClientSampleId :

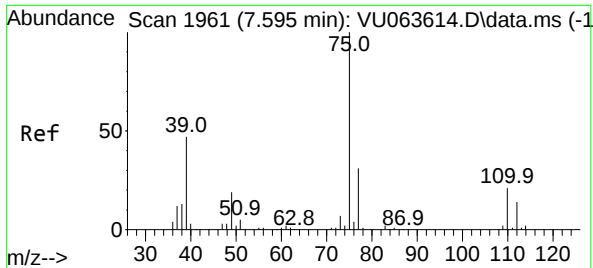
Tgt Ion: 63 Resp: 98217
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 41.234 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Tgt Ion: 83 Resp: 120322
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3
127 8.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 39.723 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

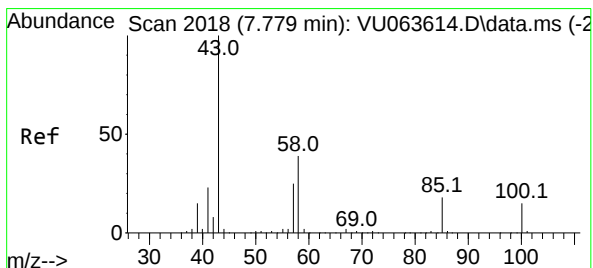
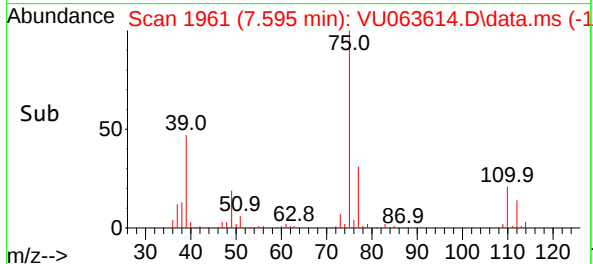
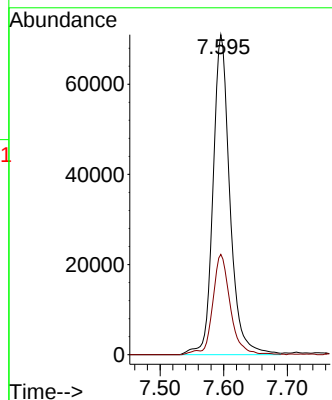
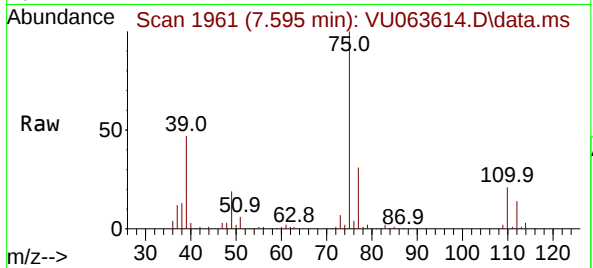
ClientSampleId :

Tgt Ion: 75 Resp: 131014

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 93.774 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

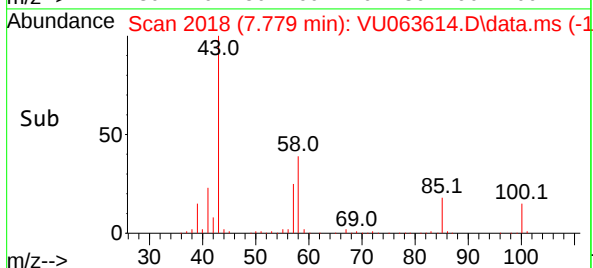
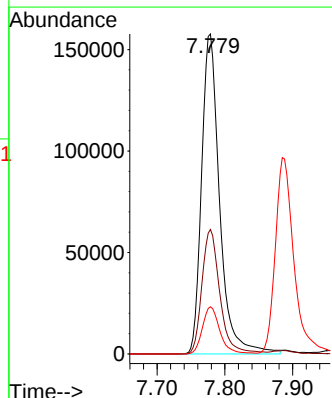
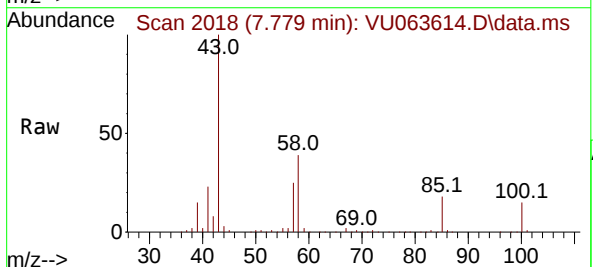
Tgt Ion: 43 Resp: 292085

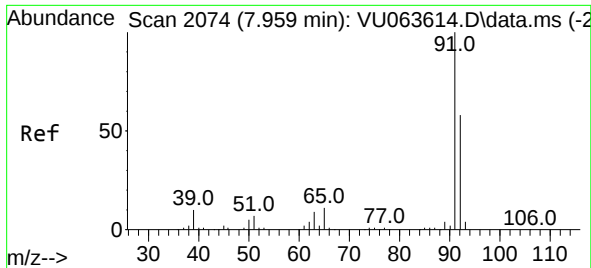
Ion Ratio Lower Upper

43 100

58 38.6 30.9 46.3

100 14.3 11.4 17.2





#42

Toluene

Concen: 45.851 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

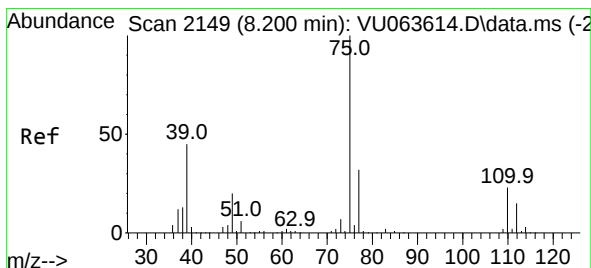
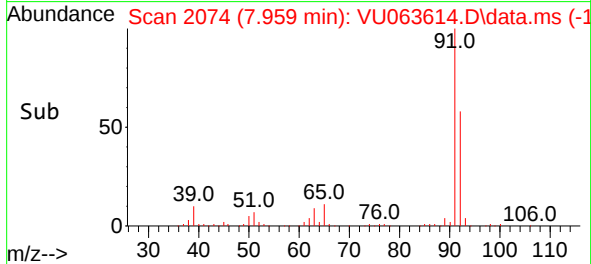
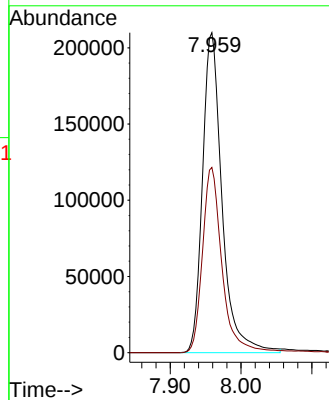
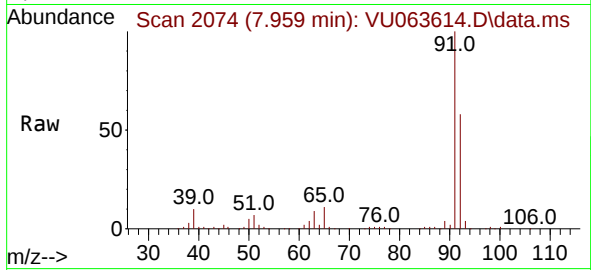
ClientSampleId :

Tgt Ion: 91 Resp: 402263

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 36.270 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063614.D

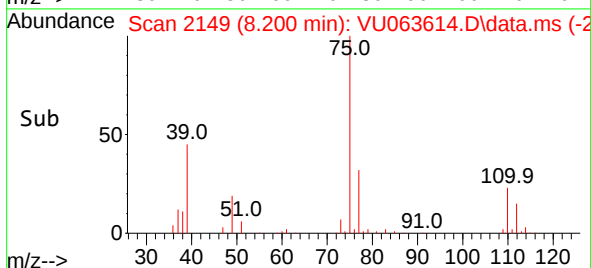
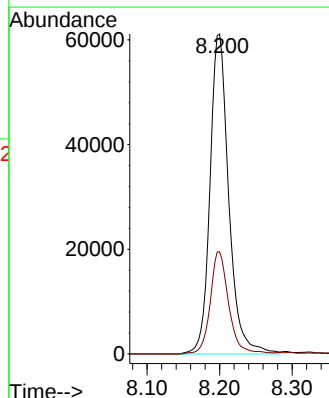
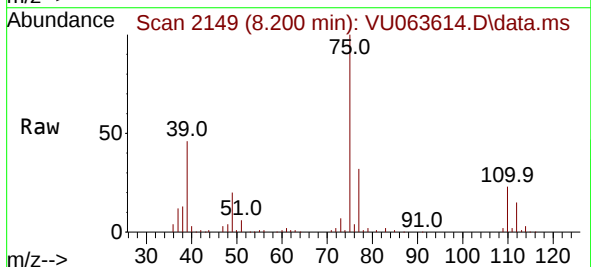
Acq: 22 Sep 2025 10:57

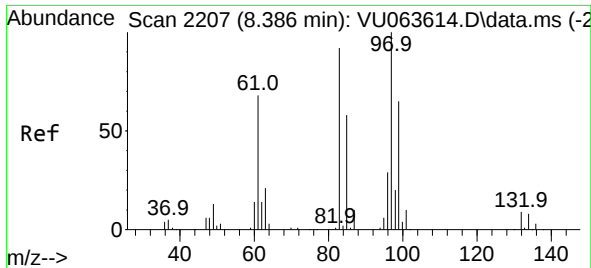
Tgt Ion: 75 Resp: 110032

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5

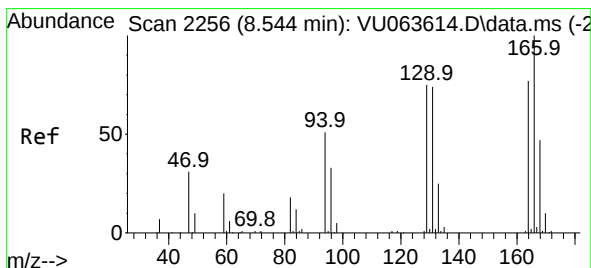
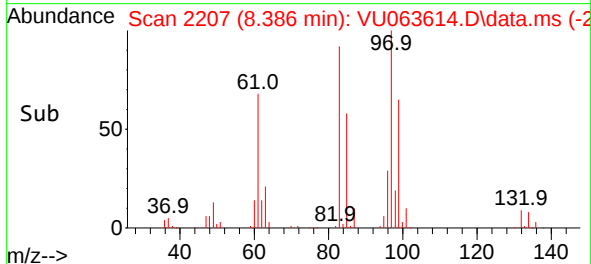
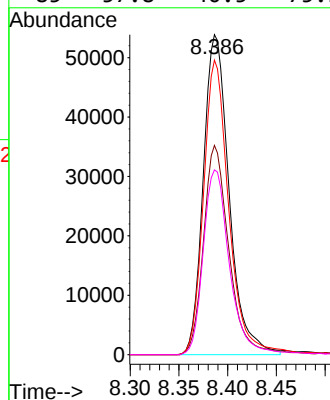
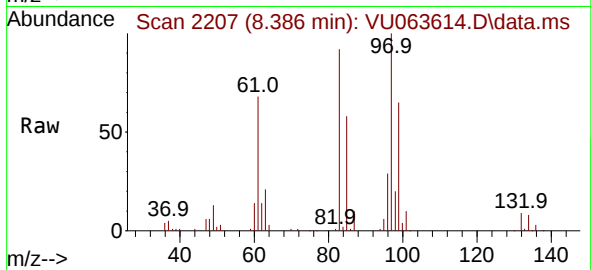




#45
1,1,2-Trichloroethane
Concen: 43.530 ug/L
RT: 8.386 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

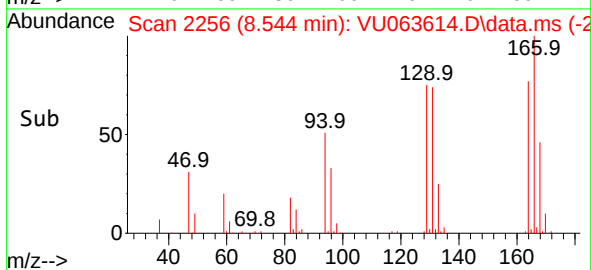
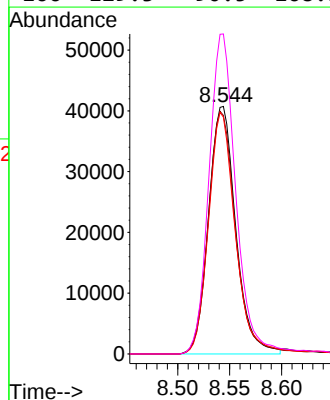
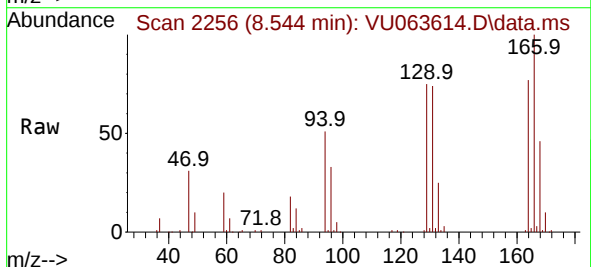
Instrument :
MSVOA_U
ClientSampleId :

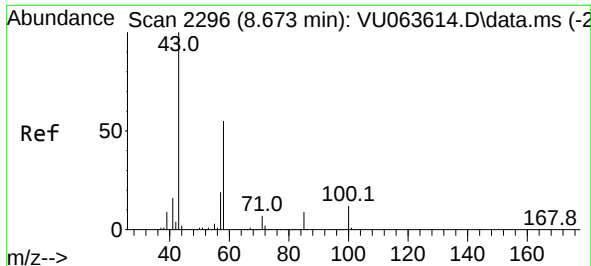
Tgt Ion:	97	Resp:	99458
Ion	Ratio	Lower	Upper
97	100		
99	65.4	45.8	85.0
83	92.0	64.4	119.6
85	57.8	40.5	75.1



#46
Tetrachloroethene
Concen: 45.862 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Tgt Ion:	164	Resp:	74113
Ion	Ratio	Lower	Upper
164	100		
129	96.4	67.5	125.3
131	95.7	67.0	124.4
166	129.3	90.5	168.1



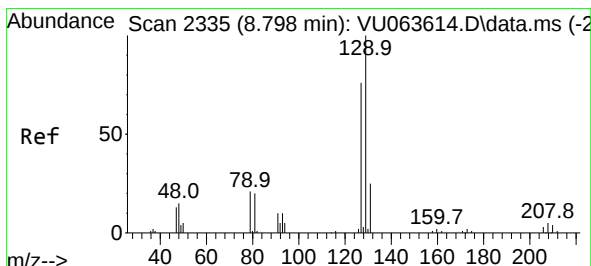
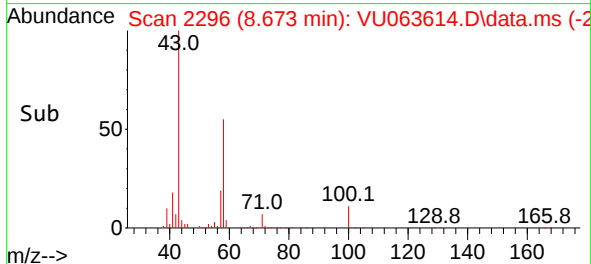
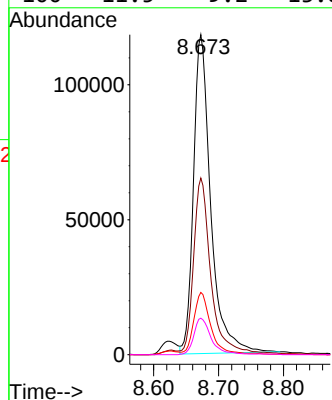
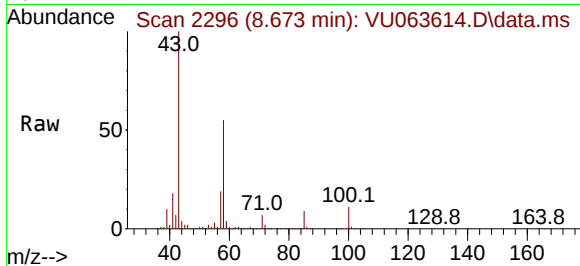


#48
2-Hexanone
Concen: 91.243 ug/L
RT: 8.673 min Scan# 218239
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 218239

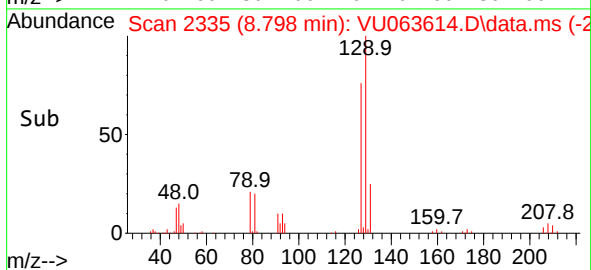
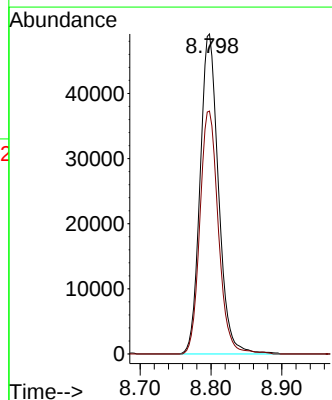
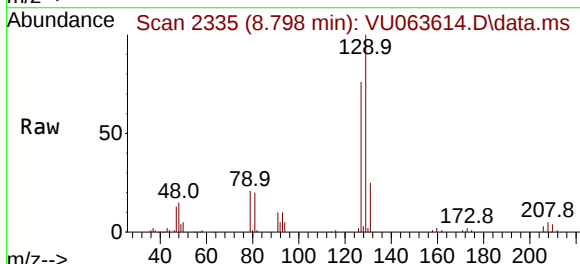
Ion	Ratio	Lower	Upper
43	100		
58	52.1	41.7	62.5
57	18.4	14.7	22.1
100	11.5	9.2	13.8

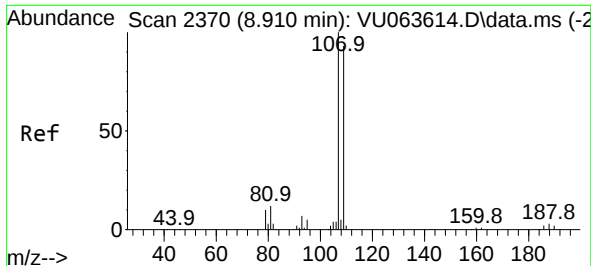


#49
Dibromochloromethane
Concen: 41.391 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Tgt Ion: 129 Resp: 88567

Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.1	98.7





#50

1,2-Dibromoethane

Concen: 43.717 ug/L

RT: 8.910 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

ClientSampleId :

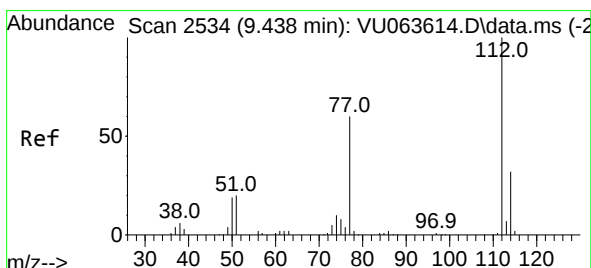
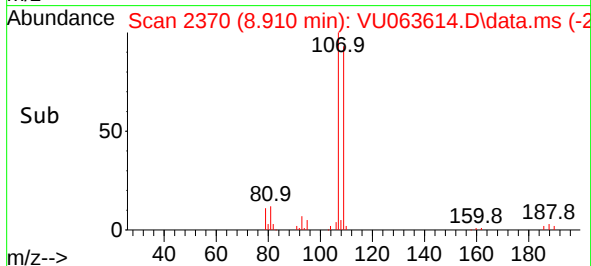
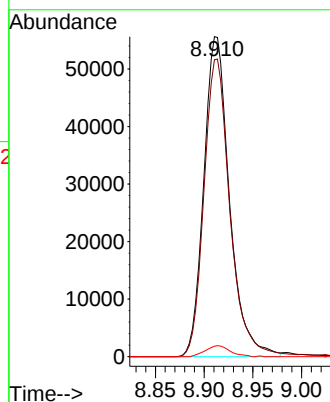
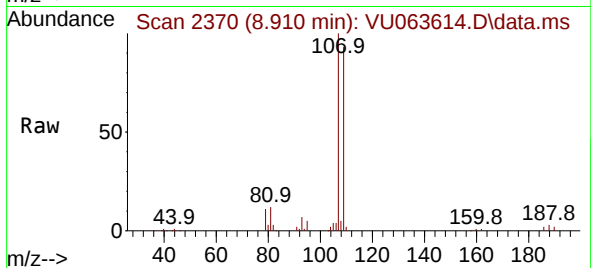
Tgt Ion:107 Resp: 102103

Ion Ratio Lower Upper

107 100

109 92.8 65.0 120.6

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 45.619 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

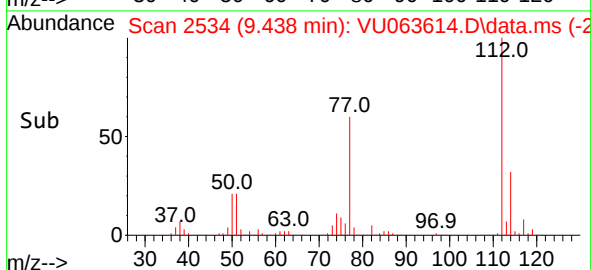
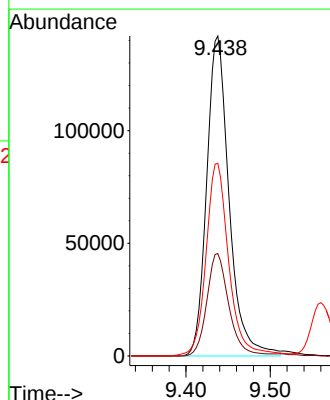
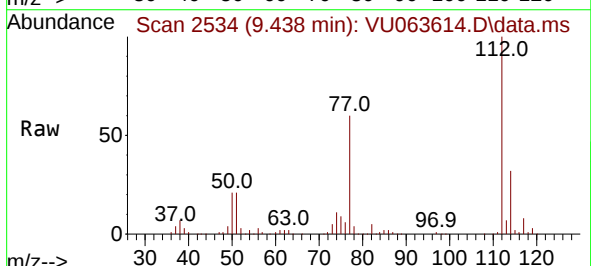
Tgt Ion:112 Resp: 262861

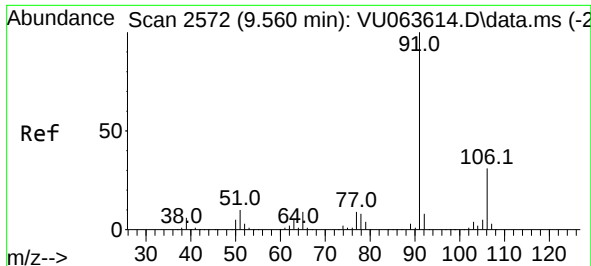
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 60.2 48.2 72.2

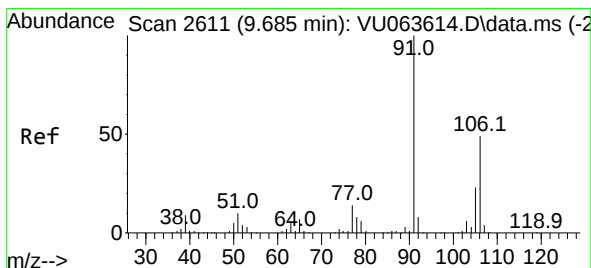
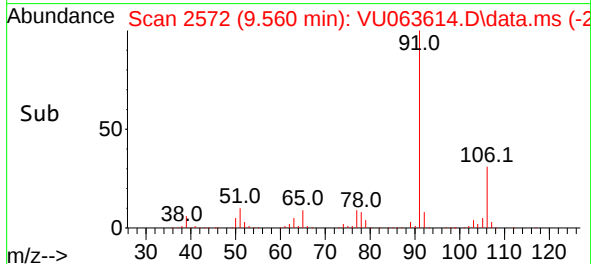
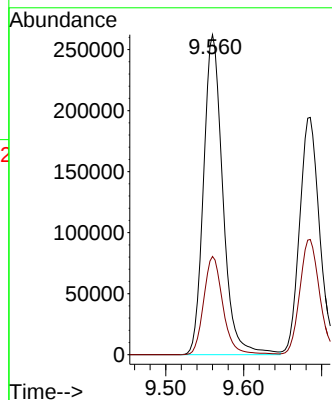
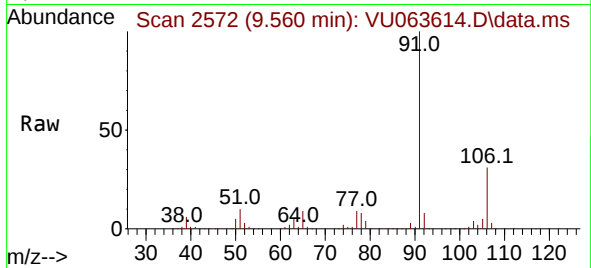




#52
Ethylbenzene
Concen: 48.175 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

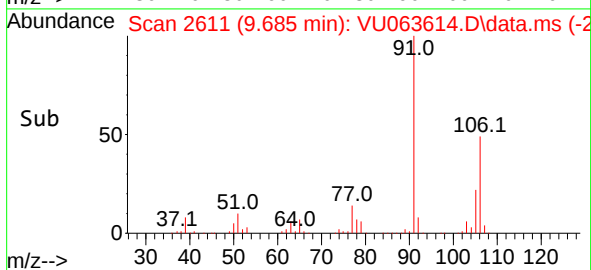
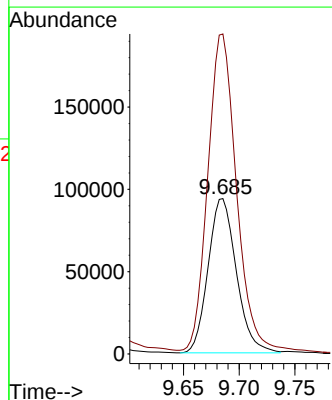
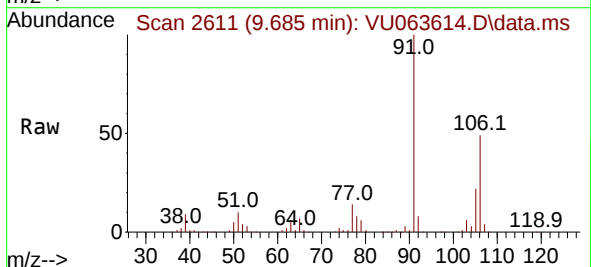
Instrument :
MSVOA_U
ClientSampleId :

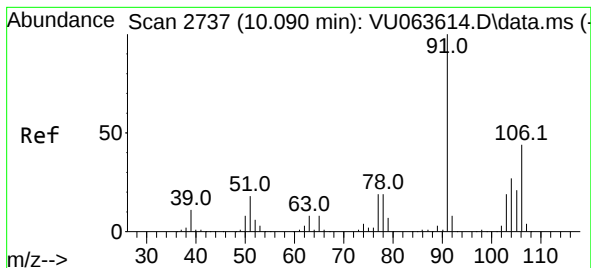
Tgt Ion: 91 Resp: 450353
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 48.277 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Tgt Ion: 106 Resp: 165466
Ion Ratio Lower Upper
106 100
91 205.9 144.1 267.7





#54

o-Xylene

Concen: 50.883 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

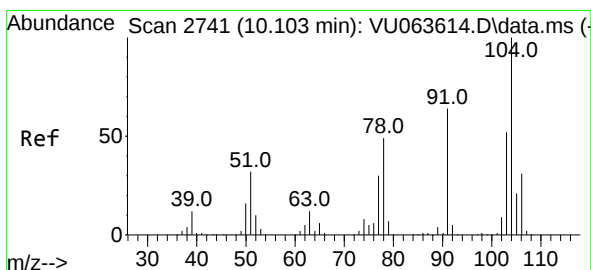
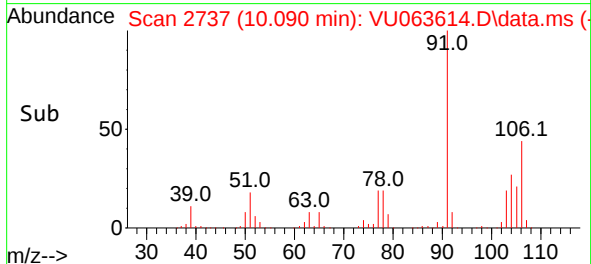
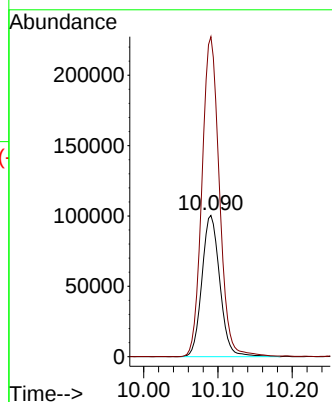
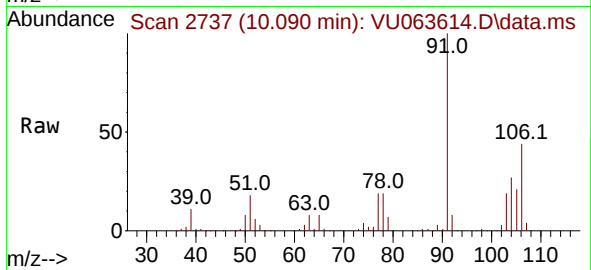
ClientSampleId :

Tgt Ion:106 Resp: 168518

Ion Ratio Lower Upper

106 100

91 226.4 158.5 294.3



#55

Styrene

Concen: 49.837 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. 0.000 min

Lab File: VU063614.D

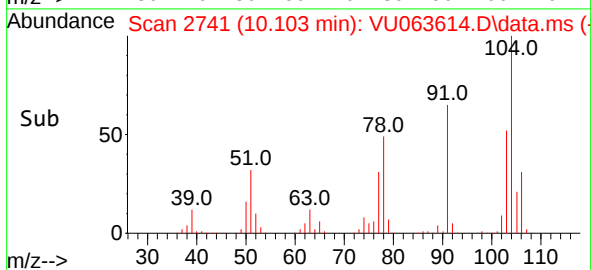
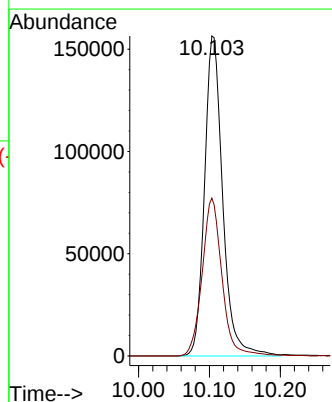
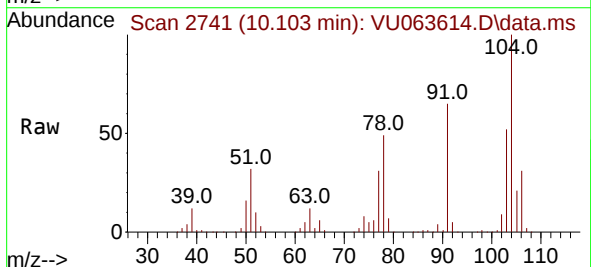
Acq: 22 Sep 2025 10:57

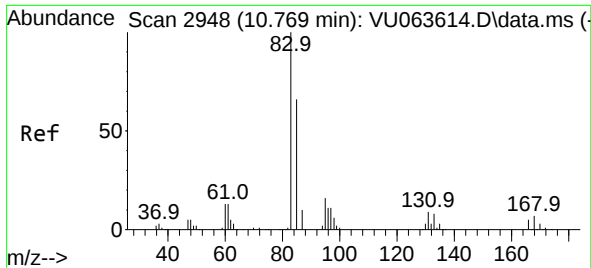
Tgt Ion:104 Resp: 278867

Ion Ratio Lower Upper

104 100

78 49.3 34.5 64.1

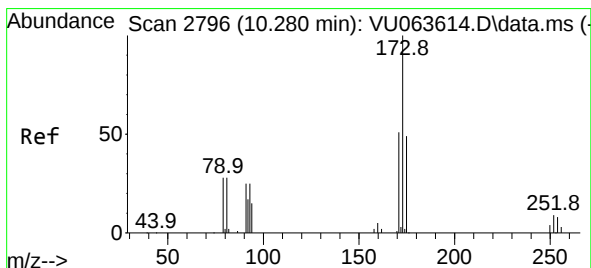
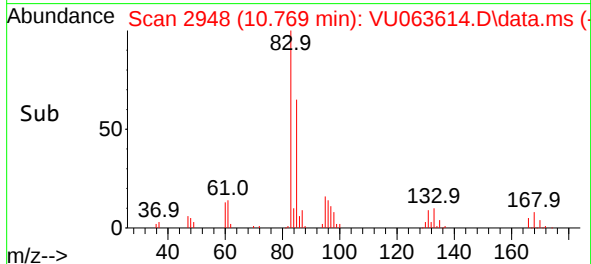
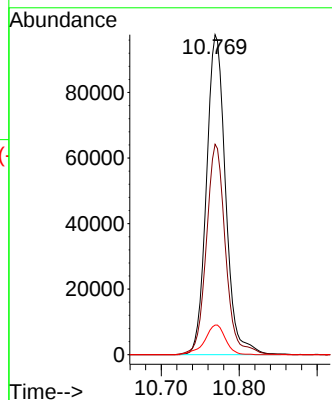
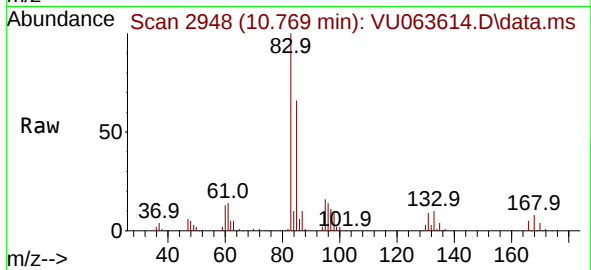




#57
 1,1,2,2-Tetrachloroethane
 Concen: 41.154 ug/L
 RT: 10.769 min Scan# 2948
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

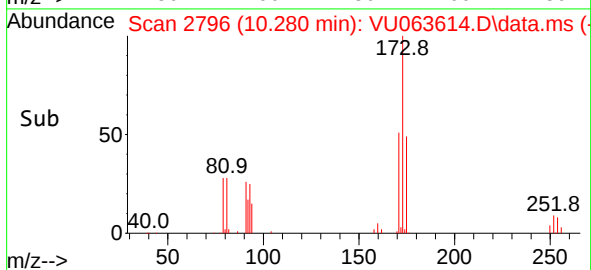
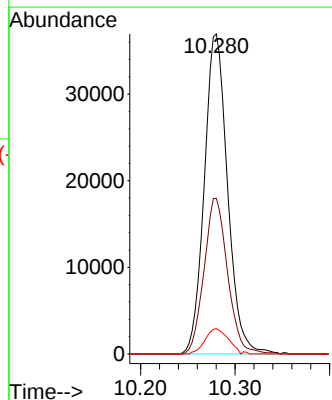
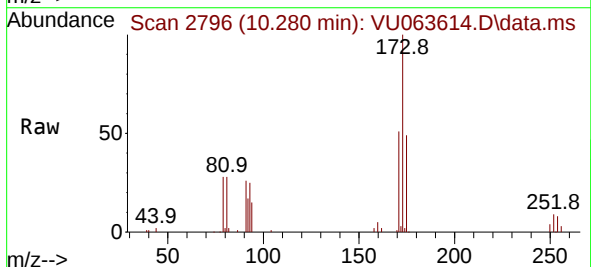
Instrument :
 MSVOA_U
 ClientSampleId :

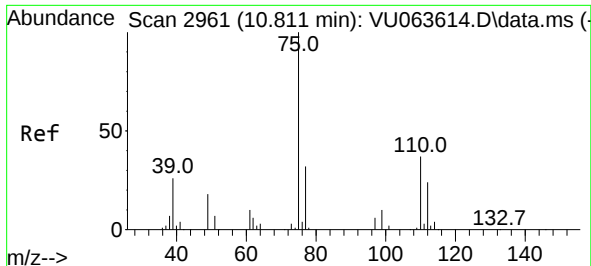
Tgt Ion: 83 Resp: 166097
 Ion Ratio Lower Upper
 83 100
 85 65.7 46.0 85.4
 131 9.3 7.4 11.2



#59
 Bromoform
 Concen: 37.774 ug/L
 RT: 10.280 min Scan# 2796
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Tgt Ion:173 Resp: 63160
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.3 58.9
 254 7.8 6.2 9.4

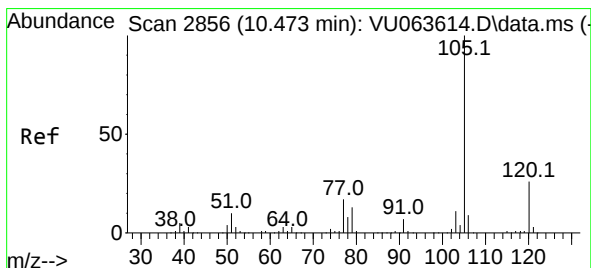
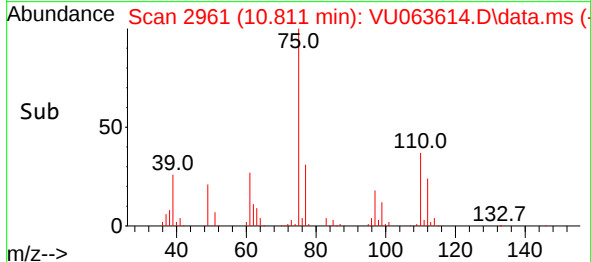
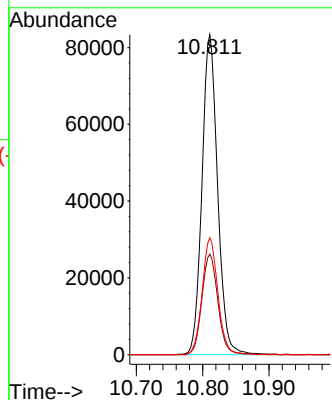
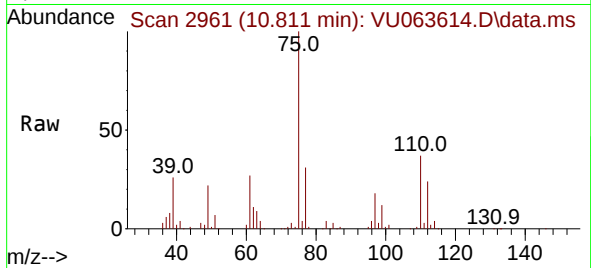




#60
 1,2,3-Trichloropropane
 Concen: 44.147 ug/L
 RT: 10.811 min Scan# 2961
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

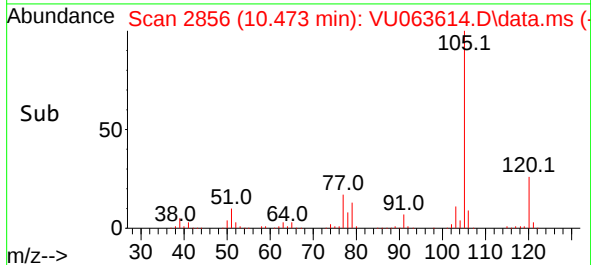
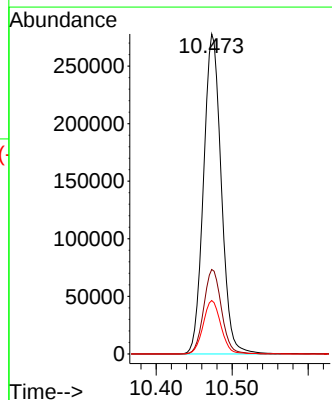
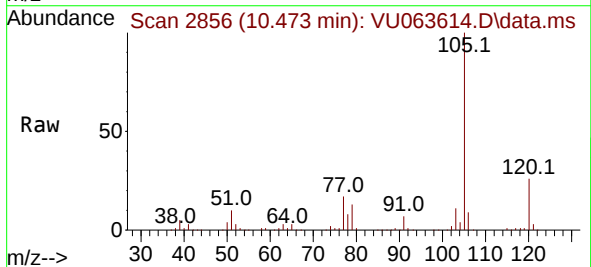
Instrument :
 MSVOA_U
 ClientSampleId :

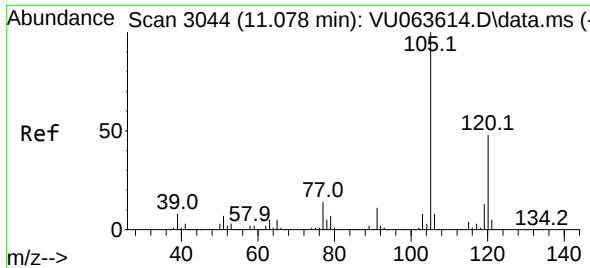
Tgt Ion: 75 Resp: 136847
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5
 110 36.5 29.2 43.8



#61
 Isopropylbenzene
 Concen: 51.588 ug/L
 RT: 10.473 min Scan# 2856
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Tgt Ion: 105 Resp: 449787
 Ion Ratio Lower Upper
 105 100
 120 26.5 21.2 31.8
 77 16.7 13.4 20.0

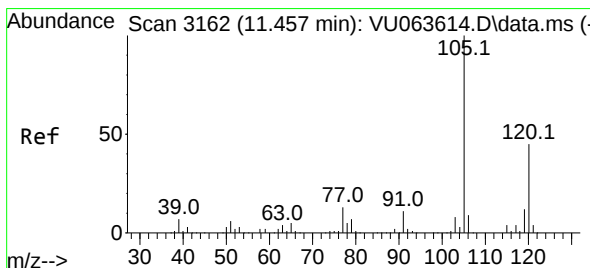
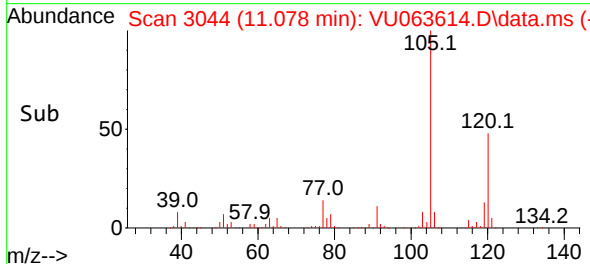
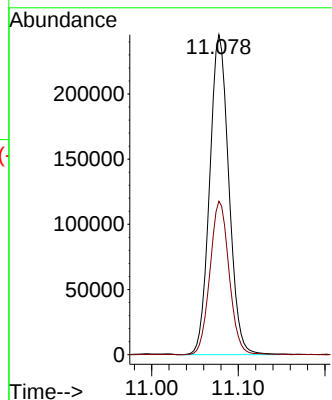
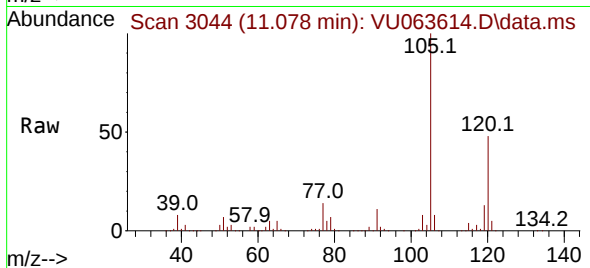




#62
 1,3,5-Trimethylbenzene
 Concen: 55.058 ug/L
 RT: 11.078 min Scan# 3044
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

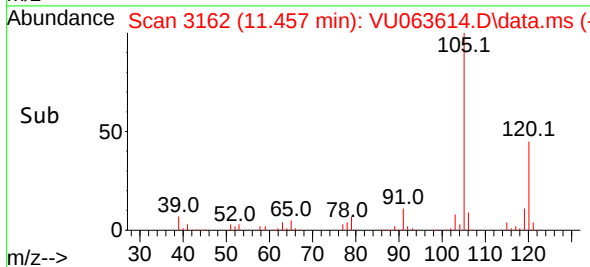
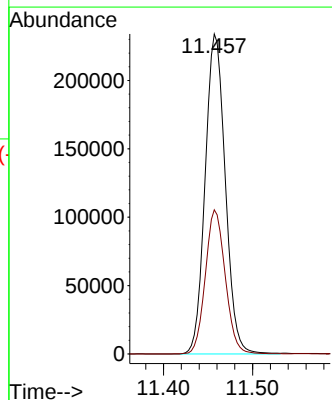
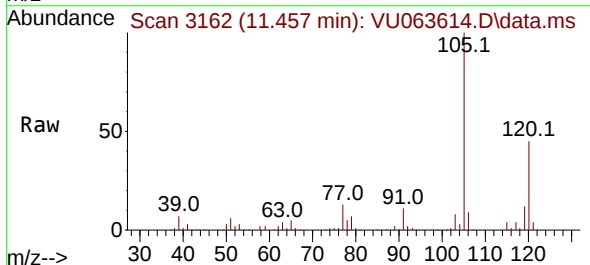
Instrument :
 MSVOA_U
 ClientSampleId :

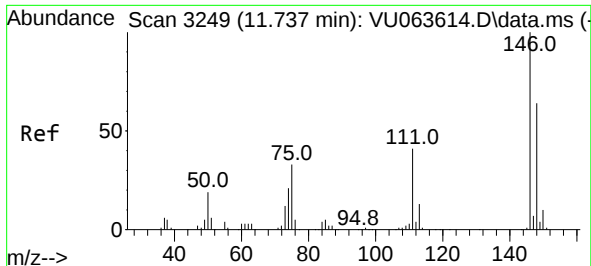
Tgt Ion:105 Resp: 377799
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 56.198 ug/L
 RT: 11.457 min Scan# 3162
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Tgt Ion:105 Resp: 366310
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4

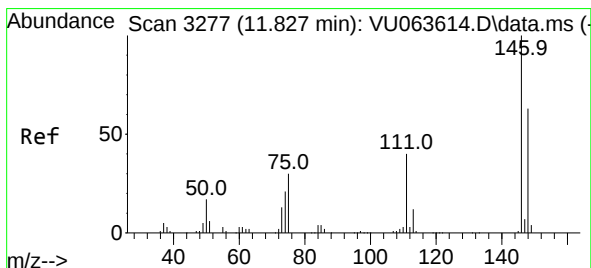
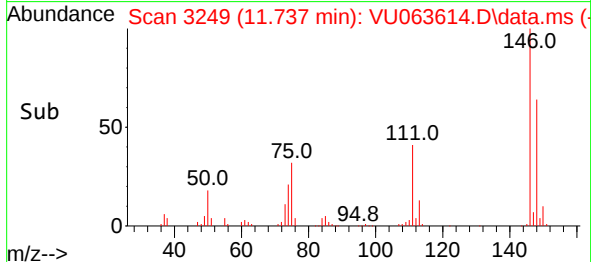
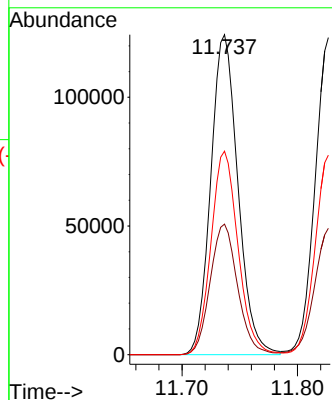
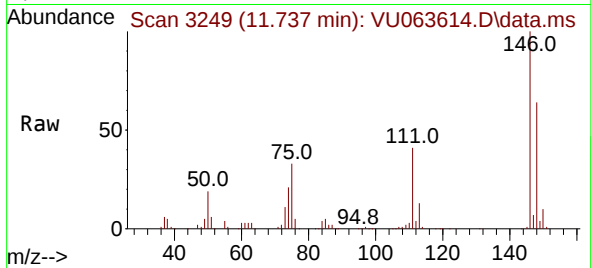




#64
1,3-Dichlorobenzene
Concen: 47.529 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

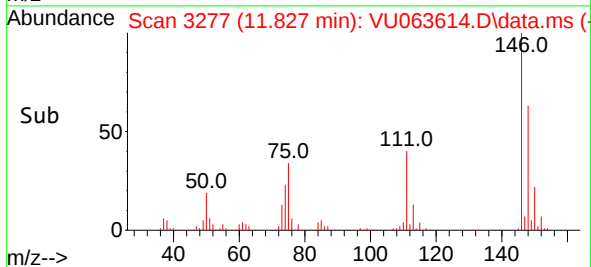
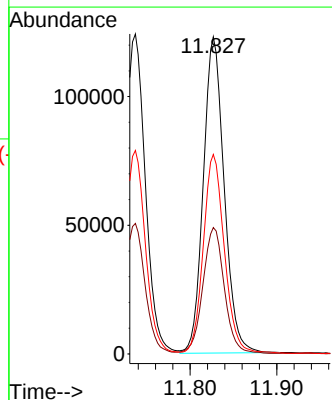
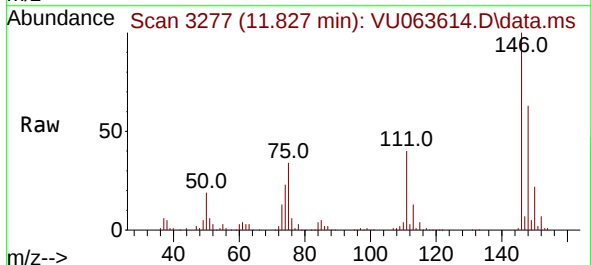
Instrument :
MSVOA_U
ClientSampleId :

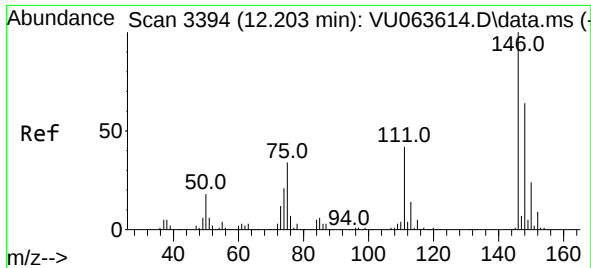
Tgt Ion:146 Resp: 203188
Ion Ratio Lower Upper
146 100
111 40.8 28.6 53.0
148 63.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 46.899 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063614.D
Acq: 22 Sep 2025 10:57

Tgt Ion:146 Resp: 205478
Ion Ratio Lower Upper
146 100
111 39.9 27.9 51.9
148 62.9 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 46.706 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

ClientSampleId :

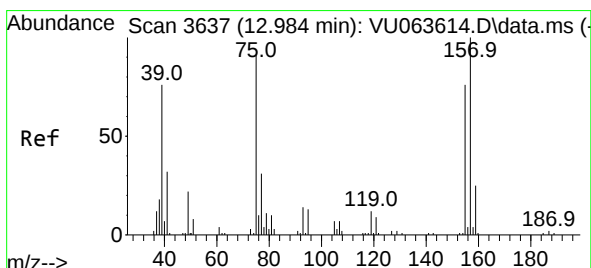
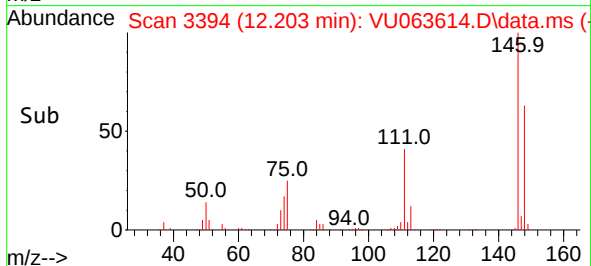
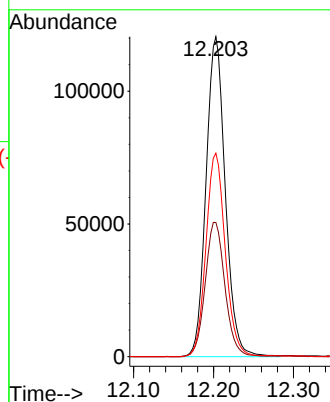
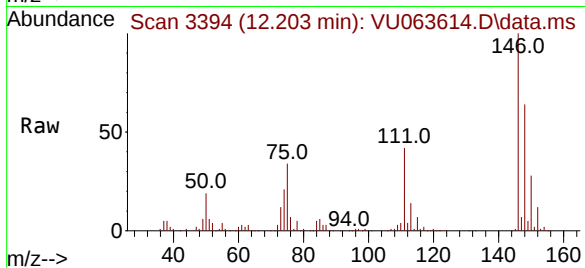
Tgt Ion:146 Resp: 201746

Ion Ratio Lower Upper

146 100

111 42.0 33.6 50.4

148 63.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 37.750 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

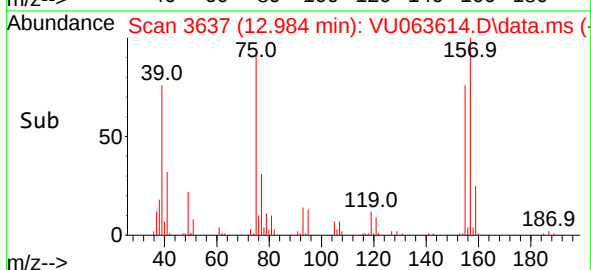
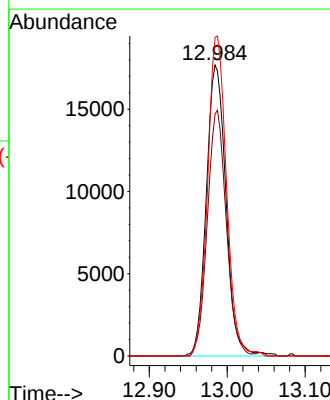
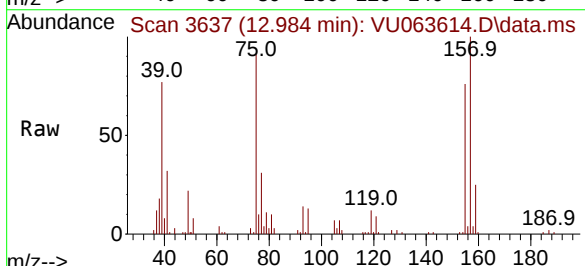
Tgt Ion: 75 Resp: 31010

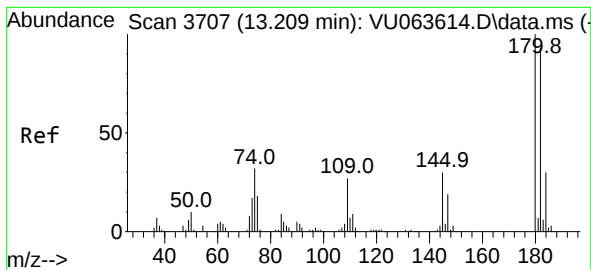
Ion Ratio Lower Upper

75 100

155 83.2 66.6 99.8

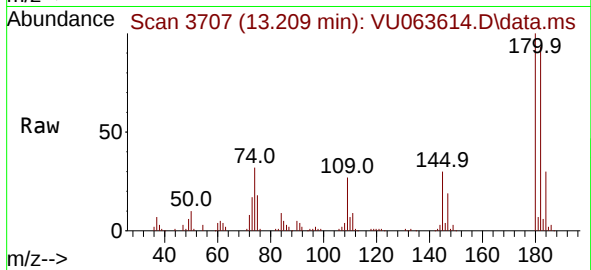
157 109.5 87.6 131.4





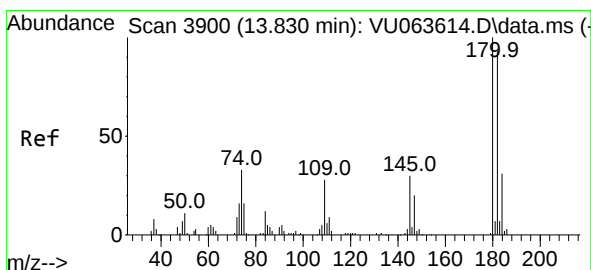
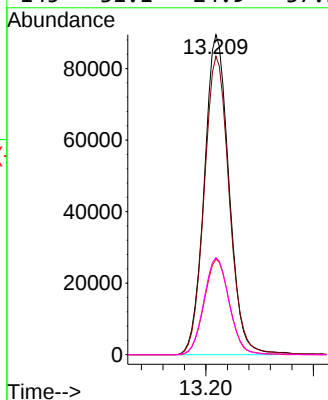
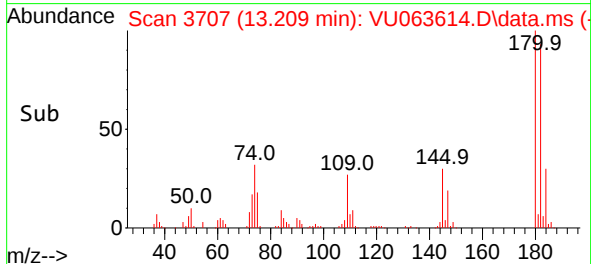
#69
 1,3,5-Trichlorobenzene
 Concen: 48.798 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57

Instrument :
 MSVOA_U
 ClientSampleId :

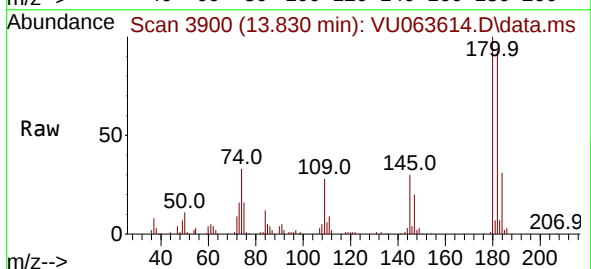


Tgt Ion:180 Resp: 142546

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	30.5	24.4	36.6
145	31.1	24.9	37.3

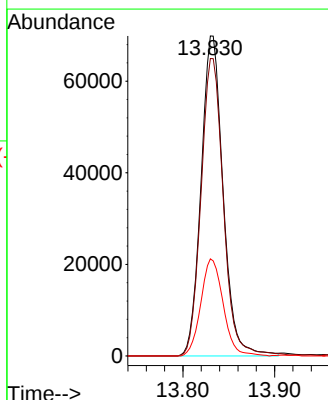
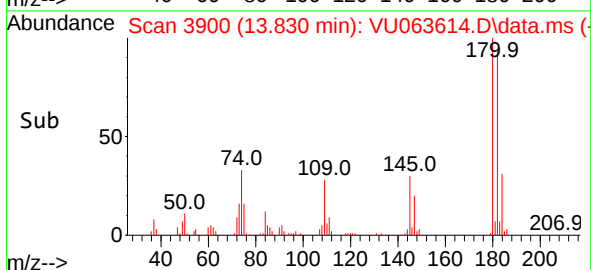


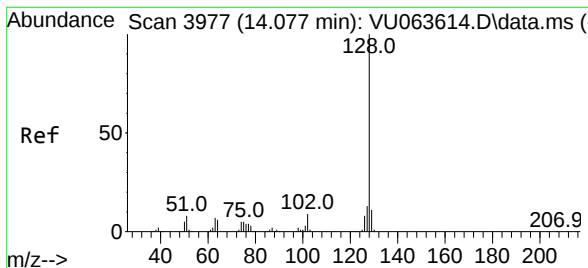
#70
 1,2,4-trichlorobenzene
 Concen: 51.269 ug/L
 RT: 13.830 min Scan# 3900
 Delta R.T. 0.000 min
 Lab File: VU063614.D
 Acq: 22 Sep 2025 10:57



Tgt Ion:180 Resp: 116860

Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
145	30.8	24.6	37.0





#71

Naphthalene

Concen: 51.309 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Instrument :

MSVOA_U

ClientSampleId :

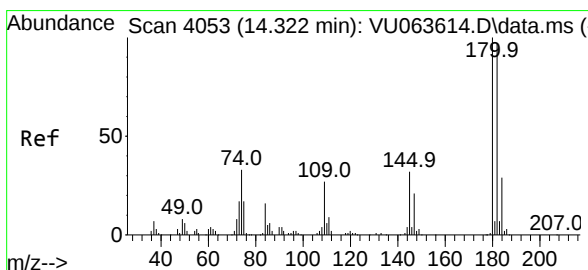
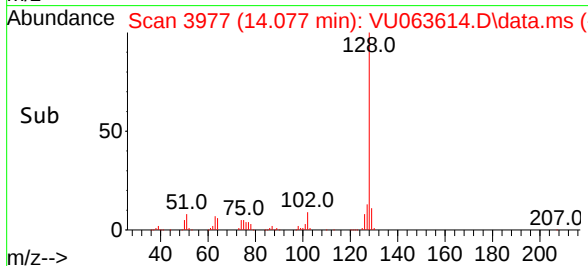
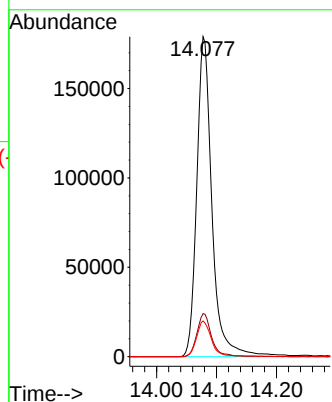
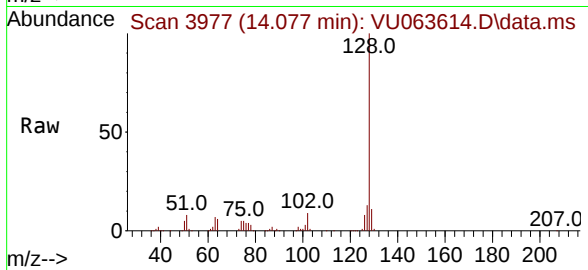
Tgt Ion:128 Resp: 315485

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.982 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU063614.D

Acq: 22 Sep 2025 10:57

Tgt Ion:180 Resp: 110830

Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

145 32.4 25.9 38.9

