

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063617.D
 Acq On : 22 Sep 2025 13:08
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 23 05:40:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	246754	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	237553	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	123790	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	87168	52.668	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.340%
7) Chloroethane-d5	1.898	69	75596	53.687	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.380%
11) 1,1-Dichloroethene-d2	2.554	63	153112	51.771	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.540%
21) 2-Butanone-d5	4.615	46	123845	108.451	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.450%
24) Chloroform-d	5.045	84	165495	53.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.880%
26) 1,2-Dichloroethane-d4	5.689	65	105969	52.524	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.040%
32) Benzene-d6	5.714	84	307655	54.072	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.140%
36) 1,2-Dichloropropane-d6	6.676	67	98860	53.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.380%
41) Toluene-d8	7.888	98	286945	53.664	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.320%
43) trans-1,3-Dichloroprop...	8.171	79	35214	52.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.600%
47) 2-Hexanone-d5	8.621	63	74153	108.874	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.870%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	152711	53.355	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.720%
66) 1,2-Dichlorobenzene-d4	12.183	152	110297	53.020	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	71240	53.646	ug/L	99
3) Chloromethane	1.515	50	87325	51.009	ug/L	96
5) Vinyl chloride	1.599	62	107510	52.762	ug/L	97
6) Bromomethane	1.837	94	68645	53.173	ug/L	96
8) Chloroethane	1.920	64	71919	52.104	ug/L	98
9) Trichlorofluoromethane	2.126	101	157250	52.973	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	86956	53.246	ug/L	98
12) 1,1-Dichloroethene	2.563	96	76598	52.722	ug/L	89
13) Acetone	2.615	43	126565	92.868	ug/L	99
14) Carbon disulfide	2.779	76	200720	53.244	ug/L	99
15) Methyl Acetate	2.939	43	106398	52.630	ug/L	95
16) Methylene chloride	3.029	84	95614	52.050	ug/L	94
17) trans-1,2-Dichloroethene	3.338	96	84412	53.961	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	270346	53.423	ug/L	100
19) 1,1-Dichloroethane	3.853	63	167834	52.702	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	99078	54.085	ug/L	95
22) 2-Butanone	4.692	43	158199	100.447	ug/L	98
23) Bromochloromethane	4.959	128	50098	52.193	ug/L	98
25) Chloroform	5.071	83	177768	52.567	ug/L	99

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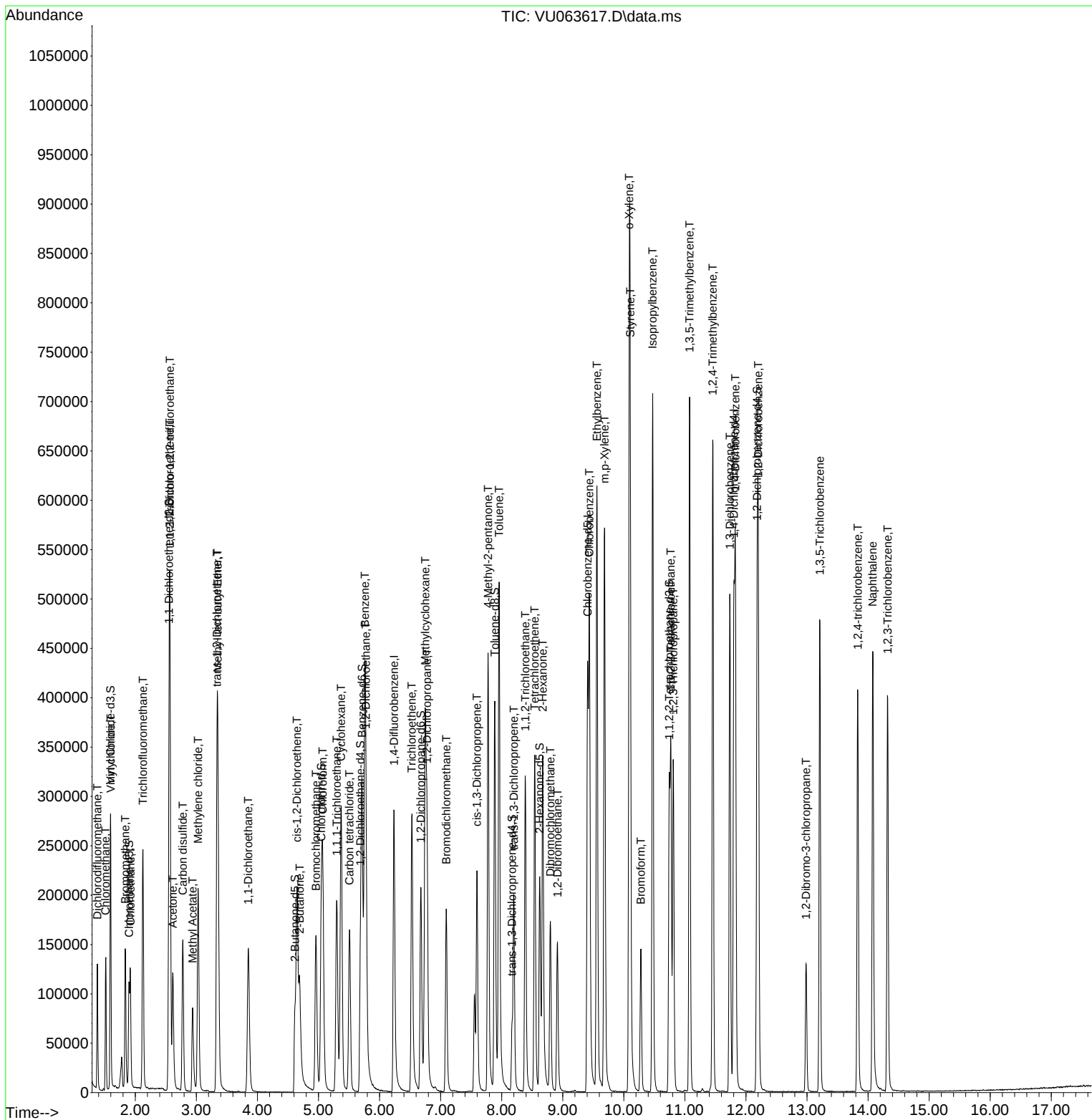
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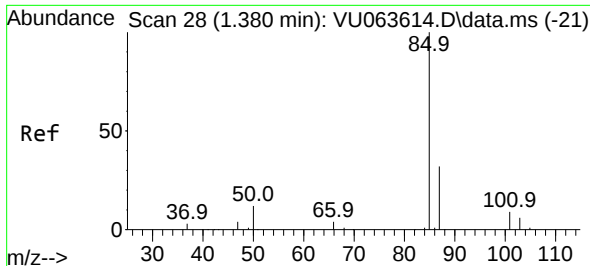
Quant Time: Sep 23 05:40:04 2025
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 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	148339	53.088	ug/L	96
29) Cyclohexane	5.370	56	148421	53.157	ug/L	98
30) 1,1,1-Trichloroethane	5.299	97	141020	53.996	ug/L	100
31) Carbon tetrachloride	5.508	117	111270	53.761	ug/L	99
33) Benzene	5.759	78	379522	55.016	ug/L	100
34) Trichloroethene	6.528	95	101604	52.592	ug/L	94
35) Methylcyclohexane	6.750	83	148466	53.828	ug/L	98
37) 1,2-Dichloropropane	6.779	63	101011	52.870	ug/L	100
38) Bromodichloromethane	7.094	83	123396	54.473	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	132892	53.502	ug/L	99
40) 4-Methyl-2-pentanone	7.778	43	296337	107.654	ug/L	99
42) Toluene	7.959	91	410798	54.318	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	112290	53.242	ug/L	100
45) 1,1,2-Trichloroethane	8.386	97	101026	54.482	ug/L	97
46) Tetrachloroethene	8.540	164	75185	53.431	ug/L	98
48) 2-Hexanone	8.672	43	229568	110.242	ug/L	99
49) Dibromochloromethane	8.798	129	89527	53.936	ug/L	99
50) 1,2-Dibromoethane	8.913	107	105032	54.690	ug/L	100
51) Chlorobenzene	9.438	112	269238	53.798	ug/L	100
52) Ethylbenzene	9.560	91	459651	54.963	ug/L	99
53) m,p-Xylene	9.685	106	174775	56.023	ug/L	98
54) o-Xylene	10.090	106	170697	54.907	ug/L	94
55) Styrene	10.106	104	282533	55.611	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.769	83	169489	54.075	ug/L	98
59) Bromoform	10.280	173	64349	53.382	ug/L	96
60) 1,2,3-Trichloropropane	10.811	75	138500	53.069	ug/L	99
61) Isopropylbenzene	10.473	105	451253	53.446	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	374773	53.973	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	361986	53.773	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	204721	53.204	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	204793	52.608	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	200570	53.010	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	31583	53.958	ug/L	99
69) 1,3,5-Trichlorobenzene	13.209	180	144820	53.835	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	126037	56.750	ug/L	100
71) Naphthalene	14.077	128	374510	62.064	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	119926	56.338	ug/L	99

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

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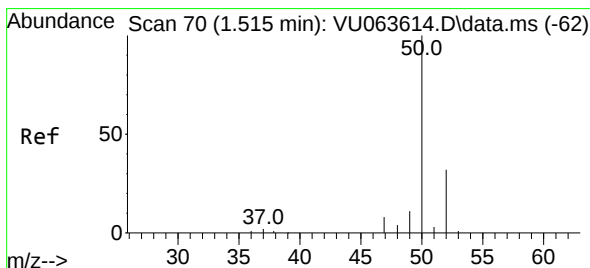
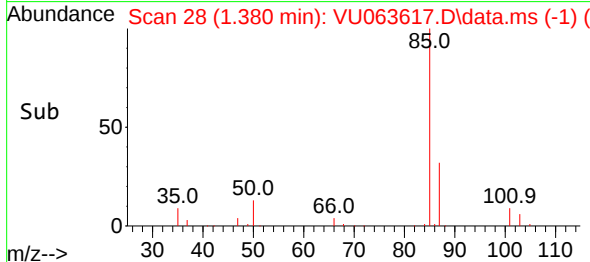
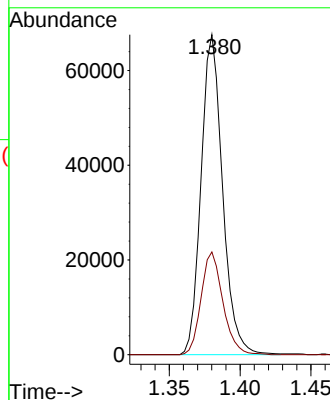
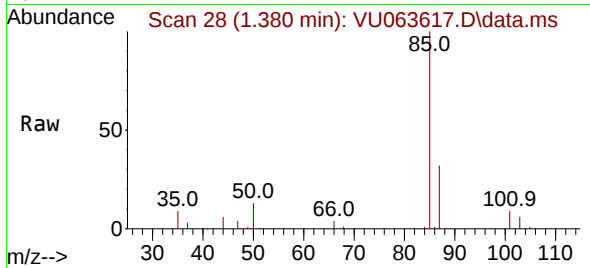




#2
 Dichlorodifluoromethane
 Concen: 53.646 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

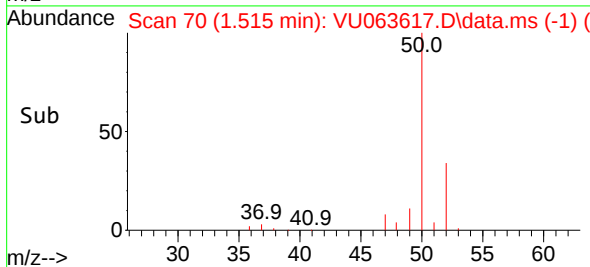
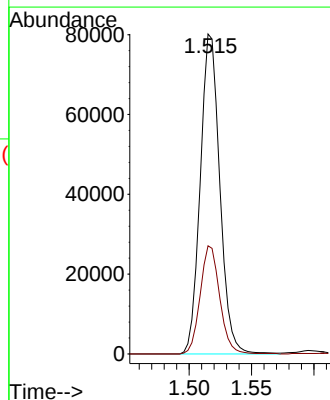
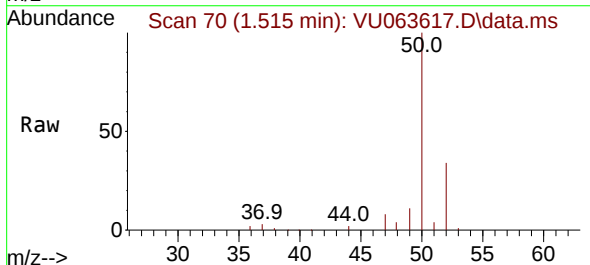
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 ClientSampleId :

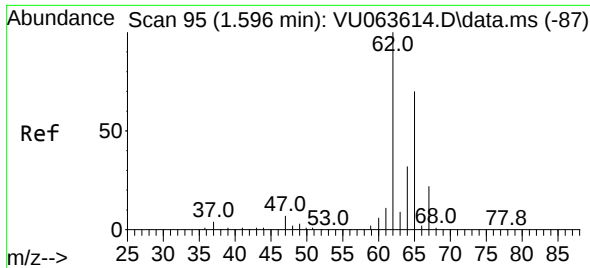
Tgt Ion: 85 Resp: 71240
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 51.009 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

Tgt Ion: 50 Resp: 87325
 Ion Ratio Lower Upper
 50 100
 52 33.8 22.2 41.2

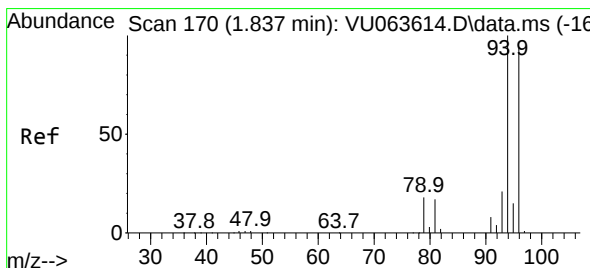
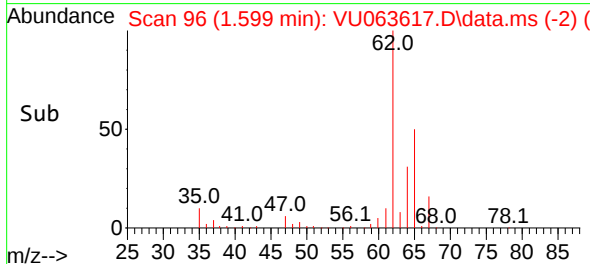
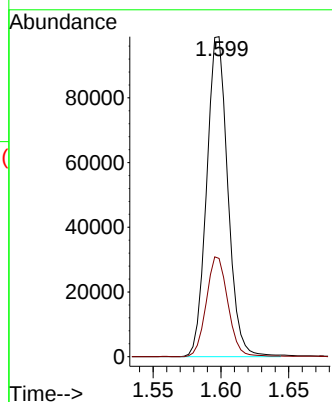
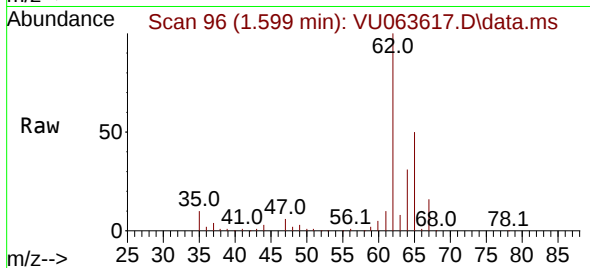




#5
 Vinyl chloride
 Concen: 52.762 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

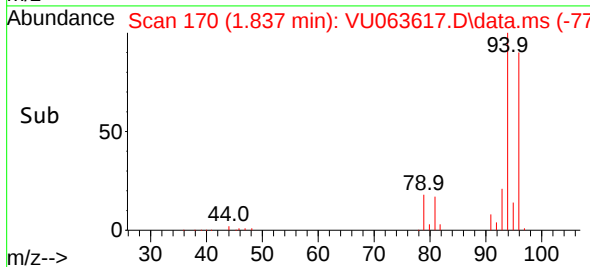
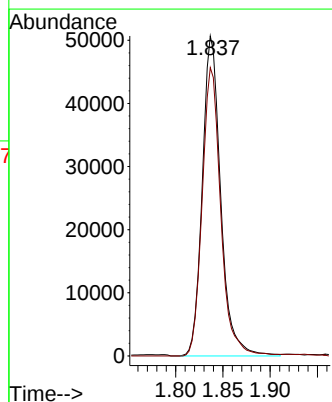
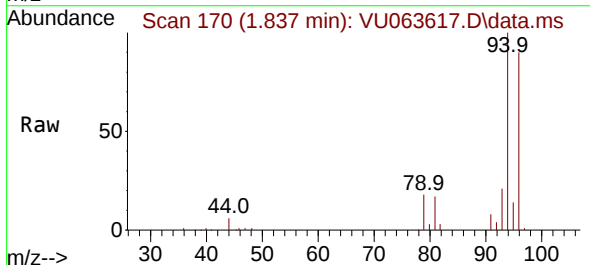
Instrument :
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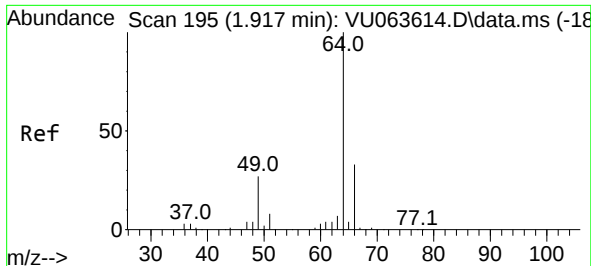
Tgt Ion: 62 Resp: 107510
 Ion Ratio Lower Upper
 62 100
 64 30.7 22.5 41.7



#6
 Bromomethane
 Concen: 53.173 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. -0.000 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

Tgt Ion: 94 Resp: 68645
 Ion Ratio Lower Upper
 94 100
 96 90.1 65.7 122.1

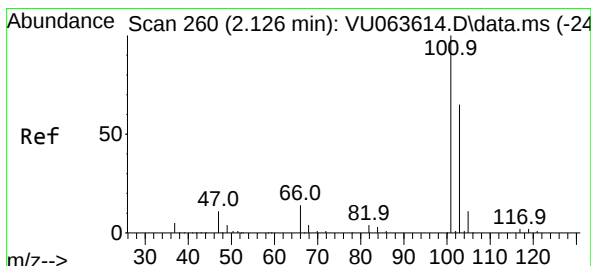
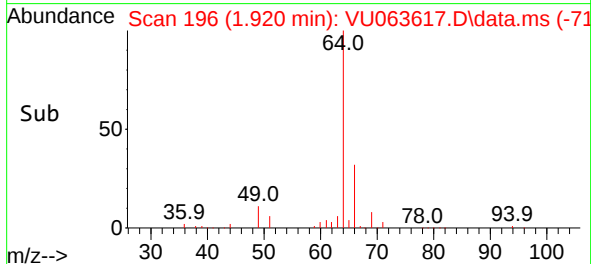
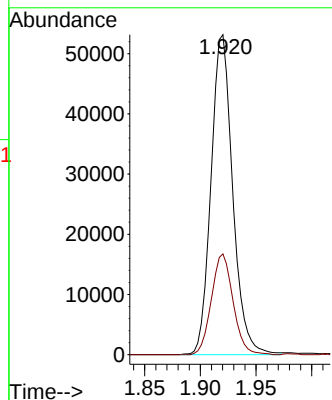
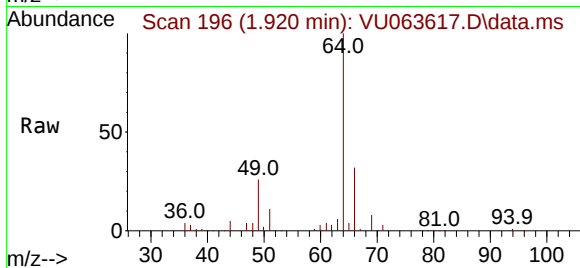




#8
Chloroethane
Concen: 52.104 ug/L
RT: 1.920 min Scan# 19
Delta R.T. 0.003 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

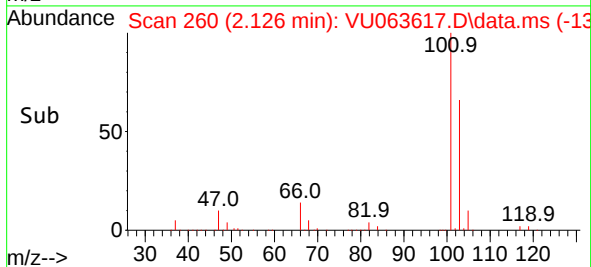
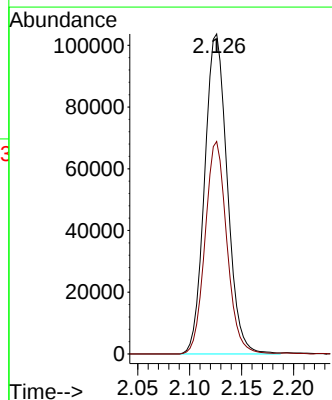
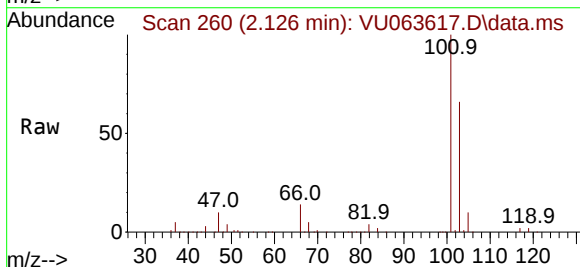
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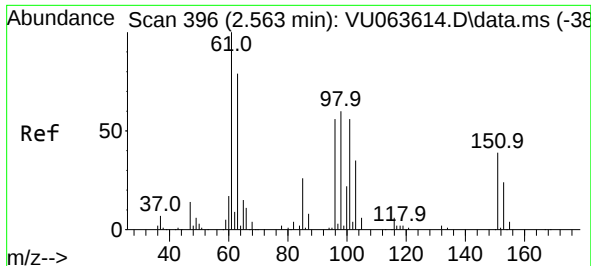
Tgt Ion: 64 Resp: 71919
Ion Ratio Lower Upper
64 100
66 31.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 52.973 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion:101 Resp: 157250
Ion Ratio Lower Upper
101 100
103 63.8 51.1 76.7

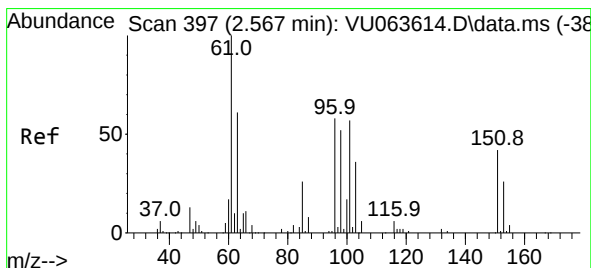
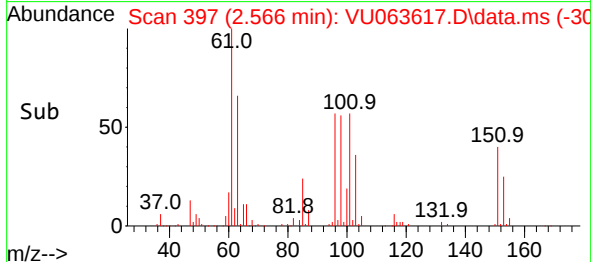
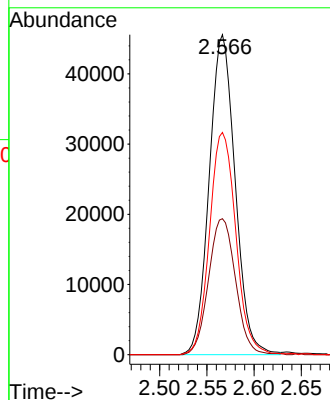
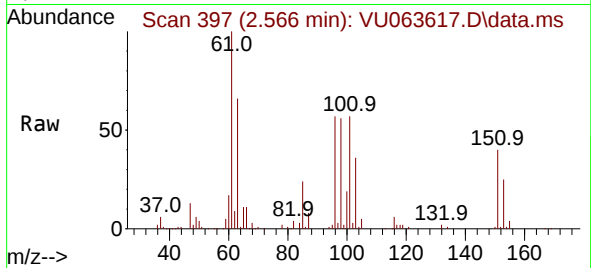




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.246 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. 0.003 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

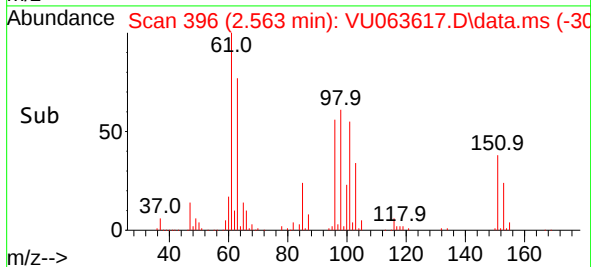
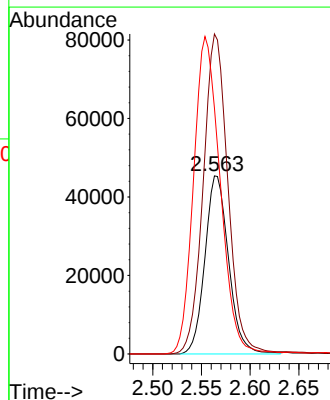
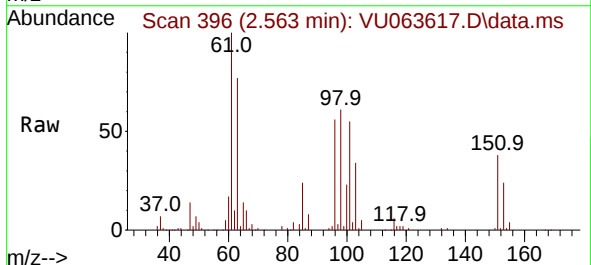
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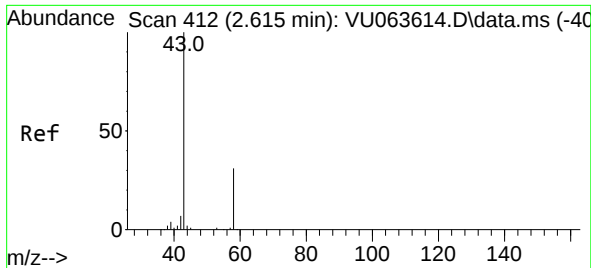
Tgt Ion:101 Resp: 86956
 Ion Ratio Lower Upper
 101 100
 85 44.2 36.8 55.2
 151 70.5 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 52.722 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

Tgt Ion: 96 Resp: 76598
 Ion Ratio Lower Upper
 96 100
 61 179.6 121.4 225.4
 63 138.1 81.5 151.3





#13

Acetone

Concen: 92.868 ug/L

RT: 2.615 min Scan# 412

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

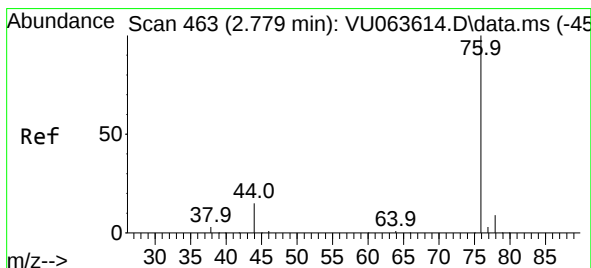
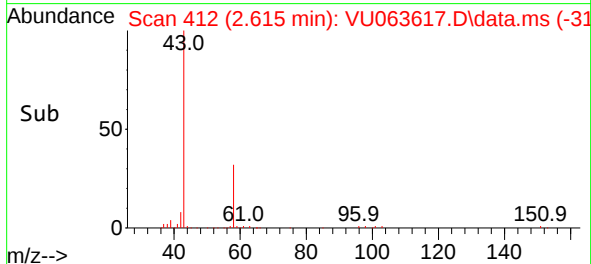
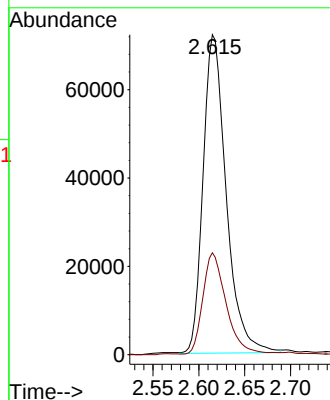
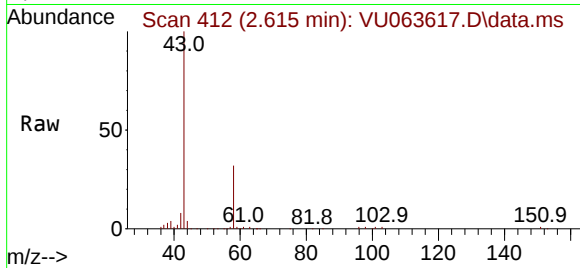
ClientSampleId :

Tgt Ion: 43 Resp: 126565

Ion Ratio Lower Upper

43 100

58 31.7 0.0 62.4



#14

Carbon disulfide

Concen: 53.244 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063617.D

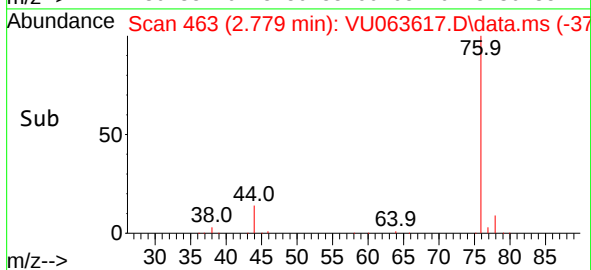
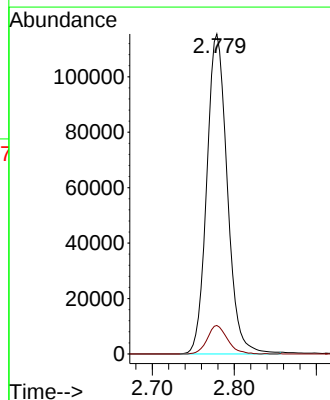
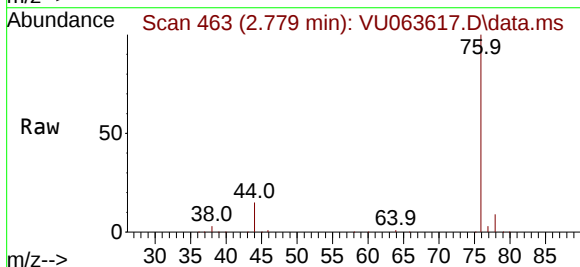
Acq: 22 Sep 2025 13:08

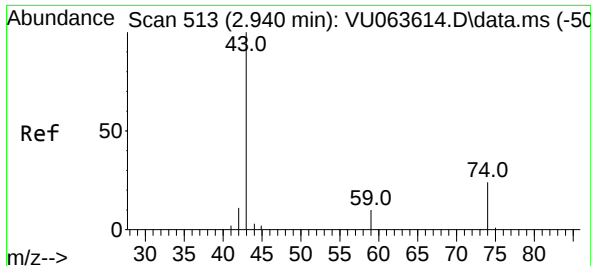
Tgt Ion: 76 Resp: 200720

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

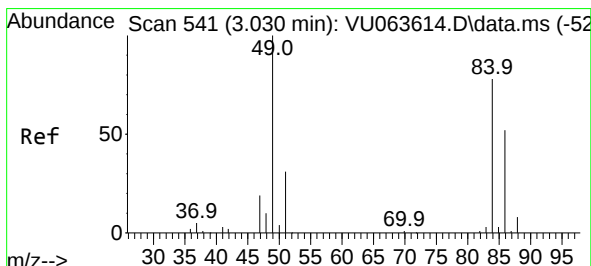
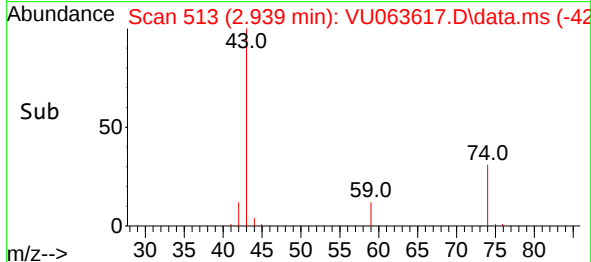
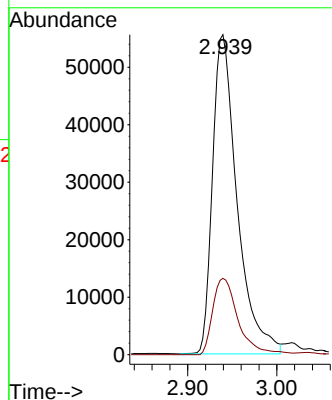
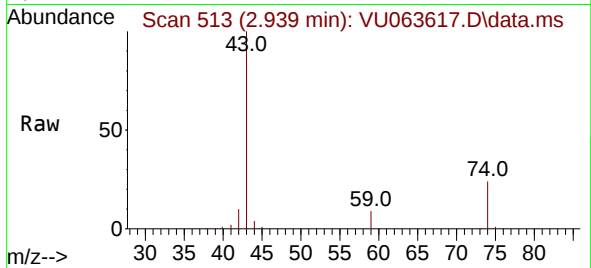




#15
Methyl Acetate
Concen: 52.630 ug/L
RT: 2.939 min Scan# 513
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

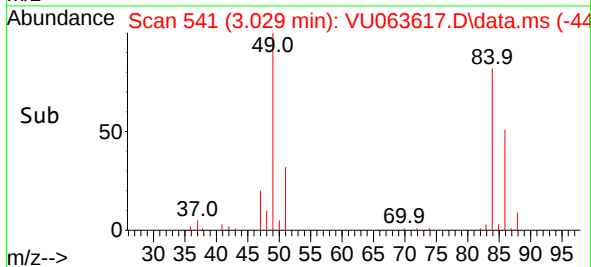
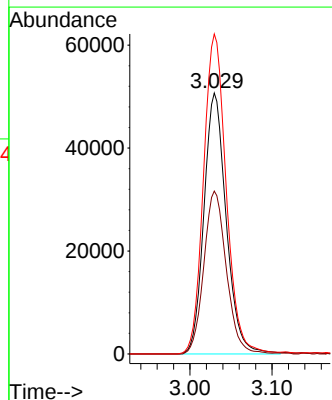
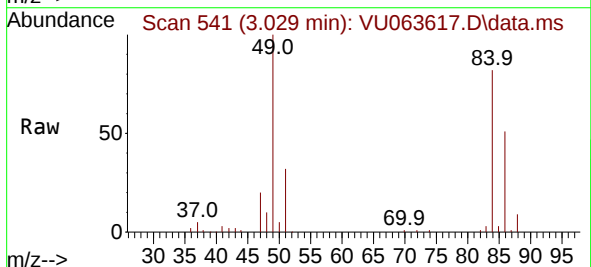
Instrument :
MSVOA_U
ClientSampleId :

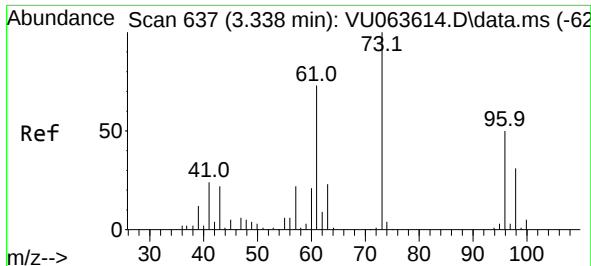
Tgt Ion: 43 Resp: 106398
Ion Ratio Lower Upper
43 100
74 24.8 18.0 27.0



#16
Methylene chloride
Concen: 52.050 ug/L
RT: 3.029 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion: 84 Resp: 95614
Ion Ratio Lower Upper
84 100
86 62.4 47.2 87.6
49 122.6 90.2 167.4



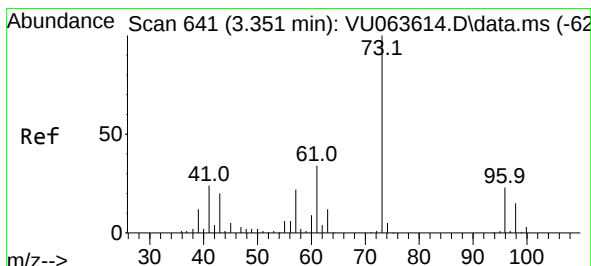
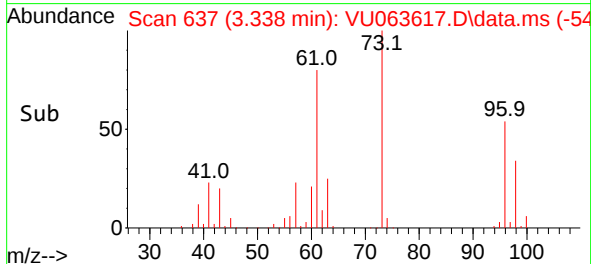
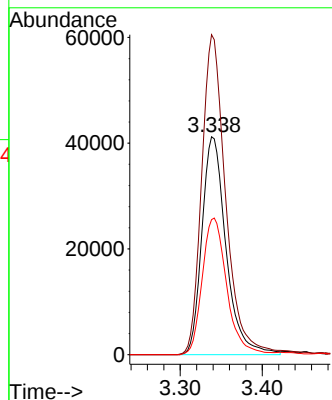
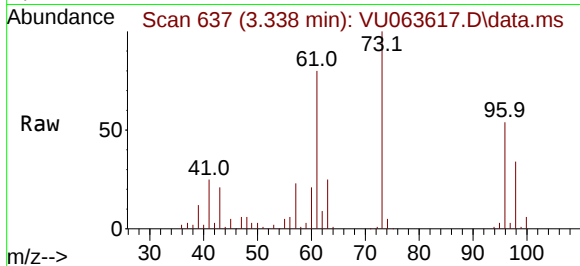


#17
 trans-1,2-Dichloroethene
 Concen: 53.961 ug/L
 RT: 3.338 min Scan# 617
 Delta R.T. -0.000 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 84412

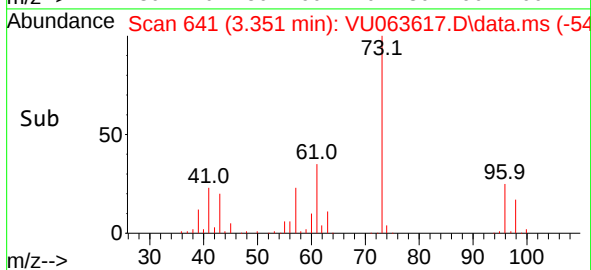
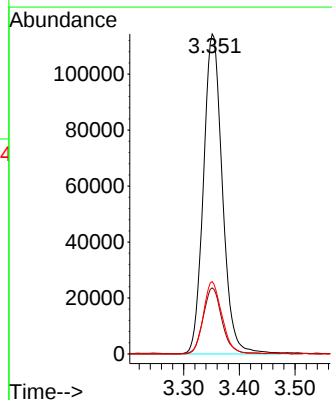
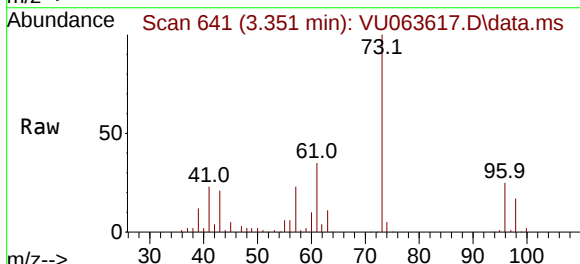
Ion	Ratio	Lower	Upper
96	100		
61	146.8	102.2	189.8
98	62.0	43.7	81.1

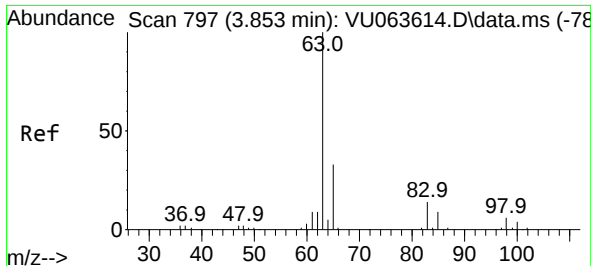


#18
 Methyl tert-butyl Ether
 Concen: 53.423 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. -0.000 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

Tgt Ion: 73 Resp: 270346

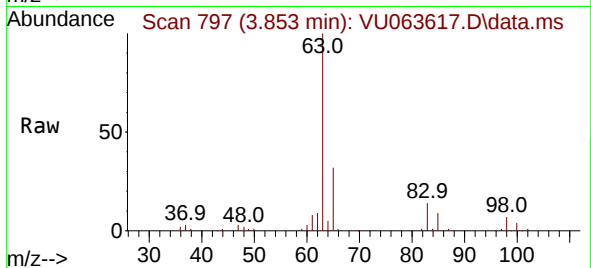
Ion	Ratio	Lower	Upper
73	100		
43	20.2	16.5	24.7
57	22.1	17.8	26.6



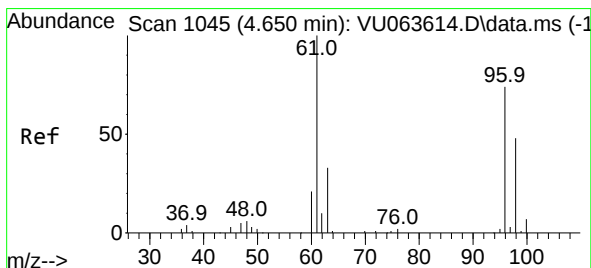
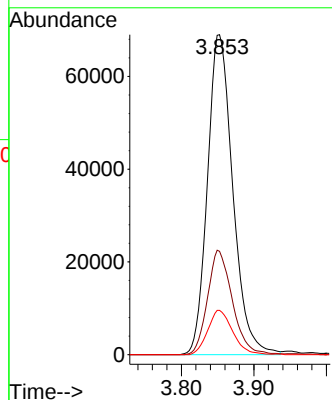
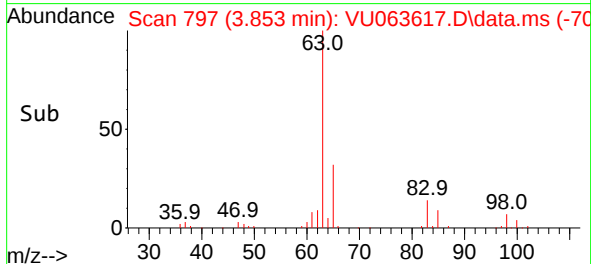


#19
1,1-Dichloroethane
Concen: 52.702 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

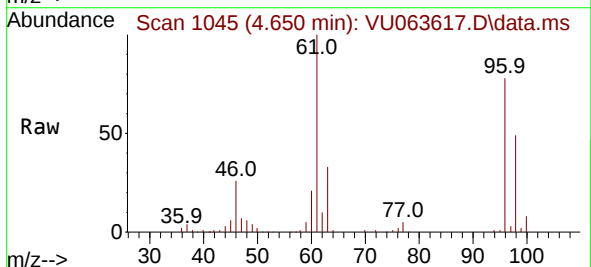
Instrument :
MSVOA_U
ClientSampleId :



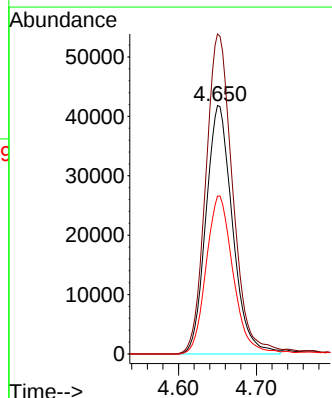
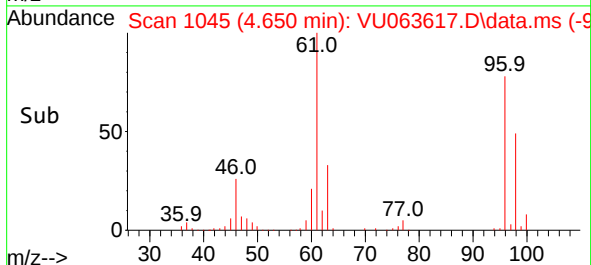
Tgt Ion: 63 Resp: 167834
Ion Ratio Lower Upper
63 100
65 32.3 23.0 42.8
83 13.9 9.7 17.9

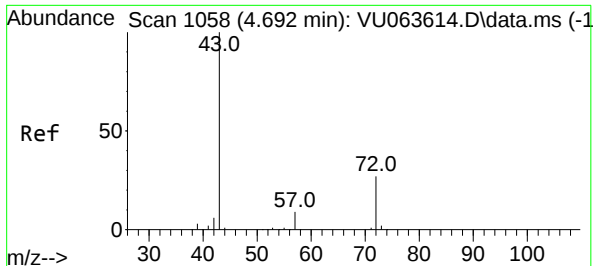


#20
cis-1,2-Dichloroethene
Concen: 54.085 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08



Tgt Ion: 96 Resp: 99078
Ion Ratio Lower Upper
96 100
61 128.8 95.5 177.3
98 63.5 46.1 85.7





#22

2-Butanone

Concen: 100.447 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

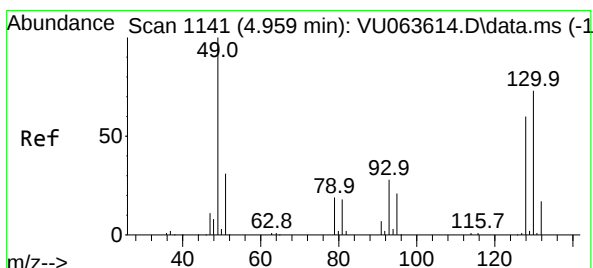
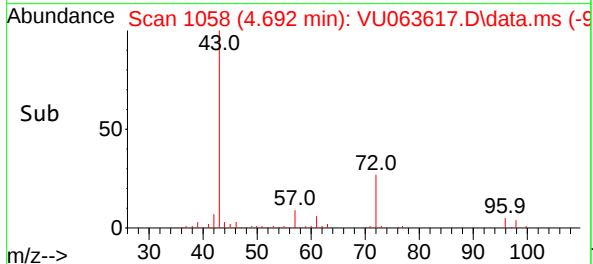
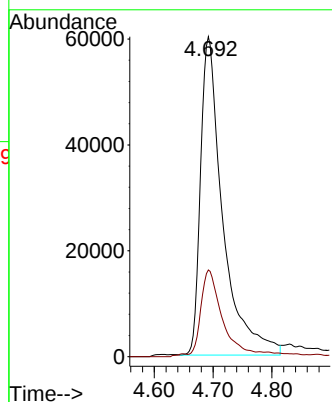
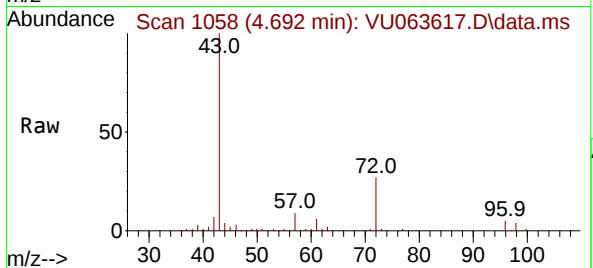
ClientSampleId :

Tgt Ion: 43 Resp: 158199

Ion Ratio Lower Upper

43 100

72 24.4 12.7 38.1



#23

Bromochloromethane

Concen: 52.193 ug/L

RT: 4.959 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Tgt Ion:128 Resp: 50098

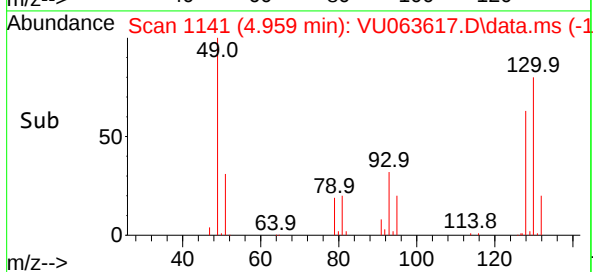
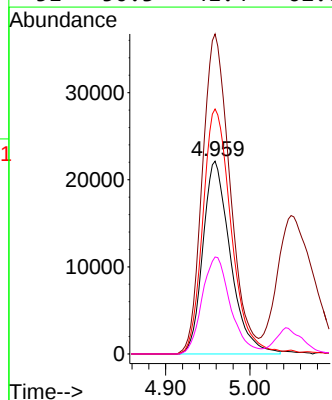
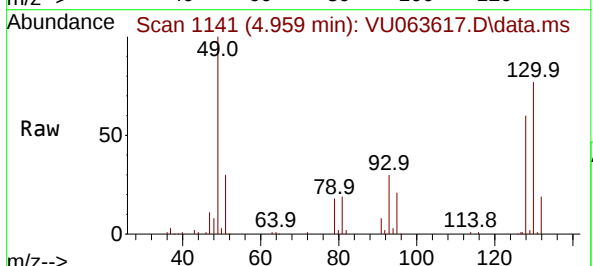
Ion Ratio Lower Upper

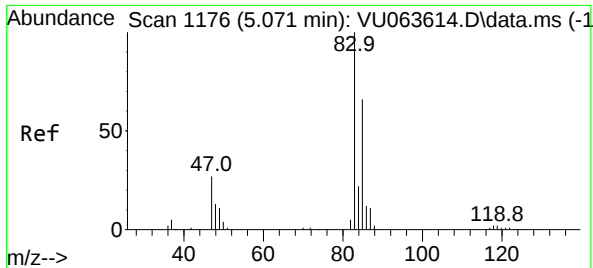
128 100

49 166.0 116.6 216.5

130 127.1 85.6 159.0

51 50.3 41.4 62.0

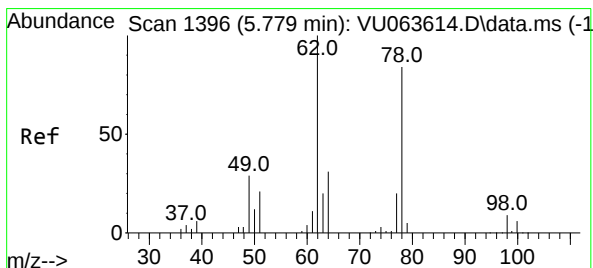
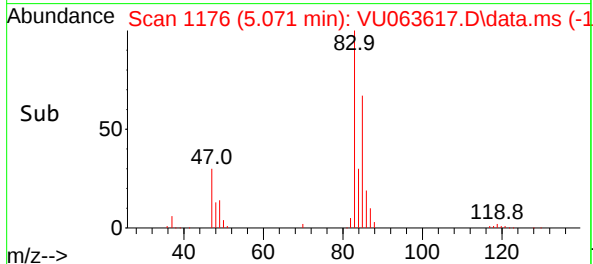
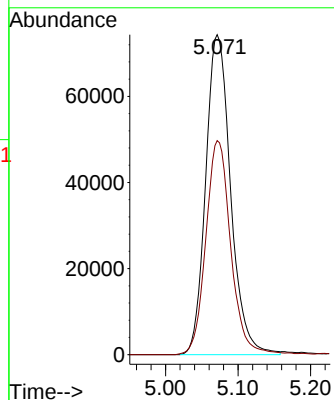
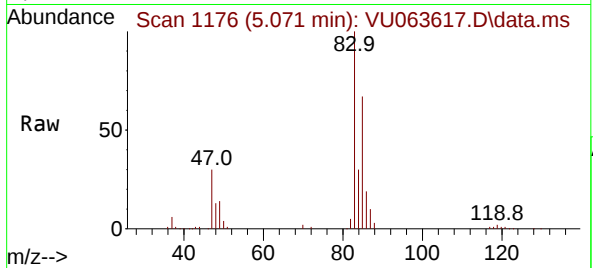




#25
Chloroform
Concen: 52.567 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

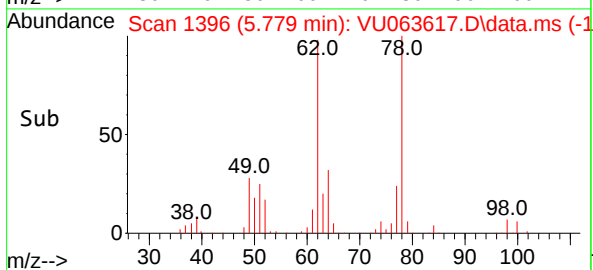
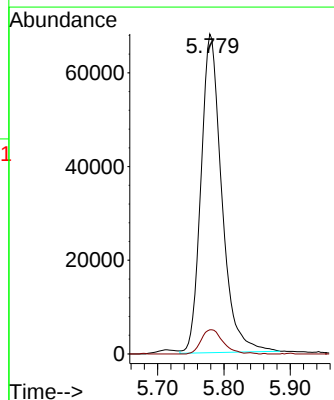
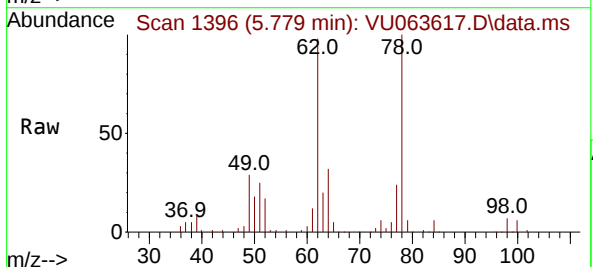
Instrument :
MSVOA_U
ClientSampleId :

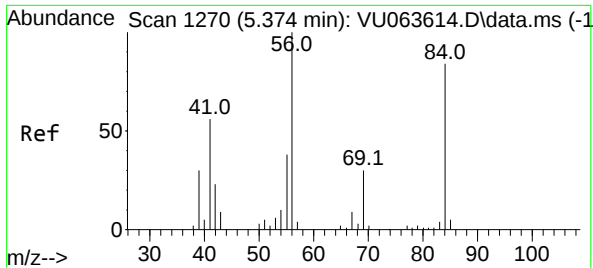
Tgt Ion: 83 Resp: 177768
Ion Ratio Lower Upper
83 100
85 66.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 53.088 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion: 62 Resp: 148339
Ion Ratio Lower Upper
62 100
98 7.6 7.1 10.7





#29

Cyclohexane

Concen: 53.157 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

ClientSampleId :

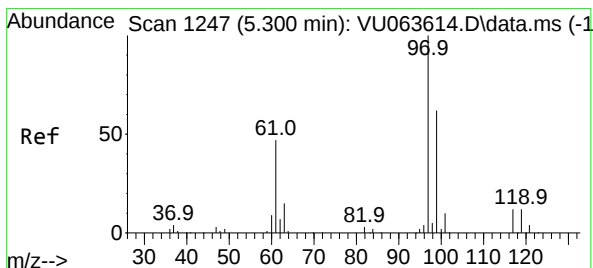
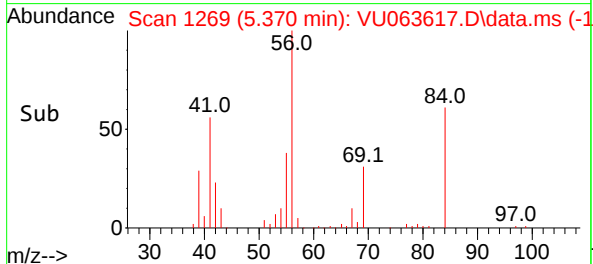
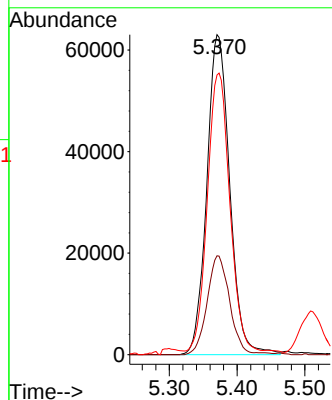
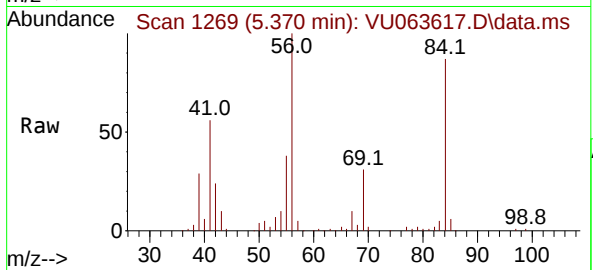
Tgt Ion: 56 Resp: 148421

Ion Ratio Lower Upper

56 100

69 30.1 24.0 36.0

84 84.2 65.7 98.5



#30

1,1,1-Trichloroethane

Concen: 53.996 ug/L

RT: 5.299 min Scan# 1247

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

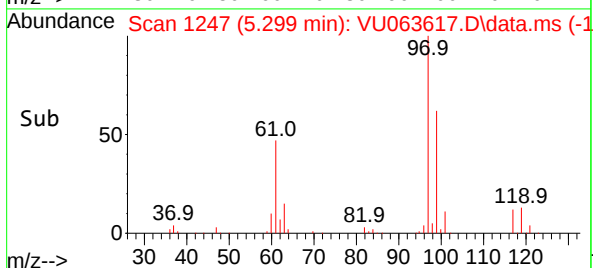
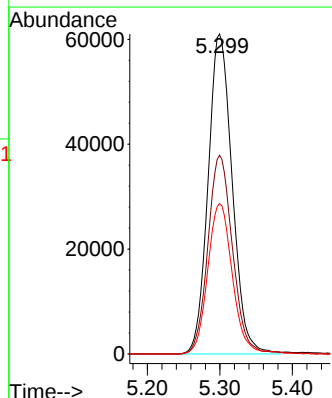
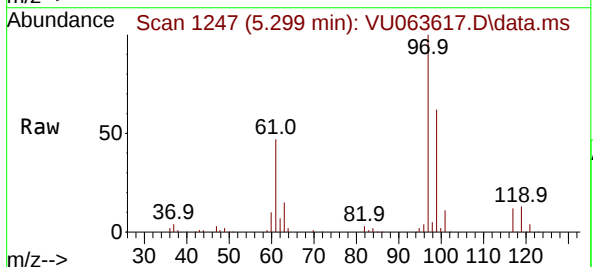
Tgt Ion: 97 Resp: 141020

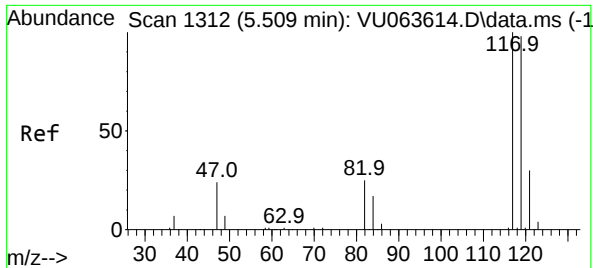
Ion Ratio Lower Upper

97 100

99 63.5 50.6 75.8

61 47.7 38.0 57.0

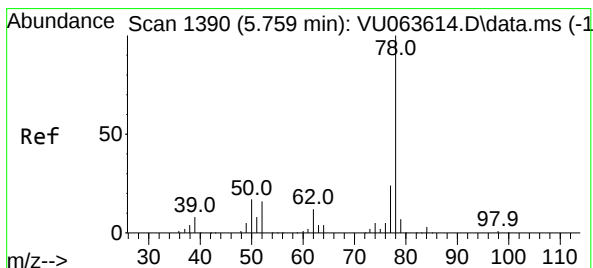
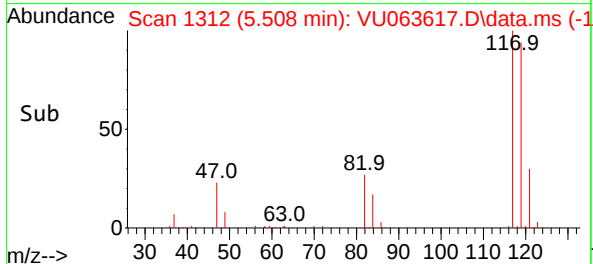
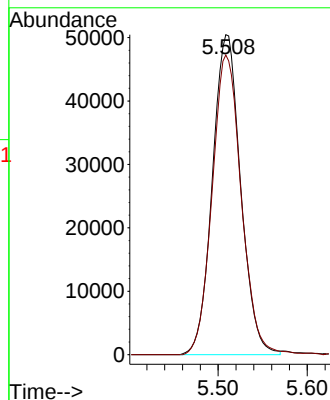
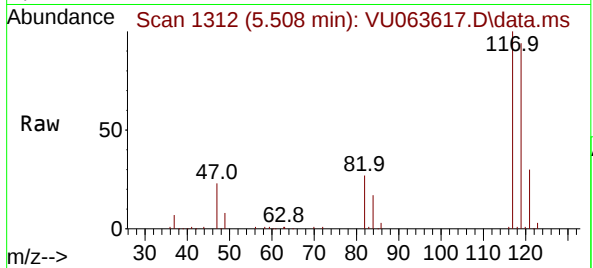




#31
Carbon tetrachloride
Concen: 53.761 ug/L
RT: 5.508 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

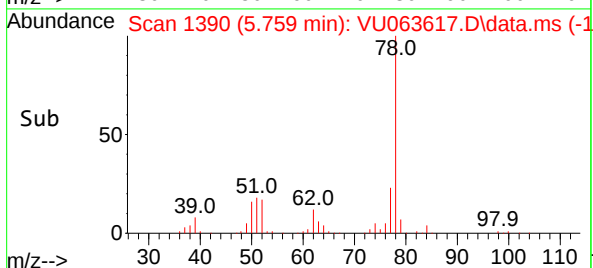
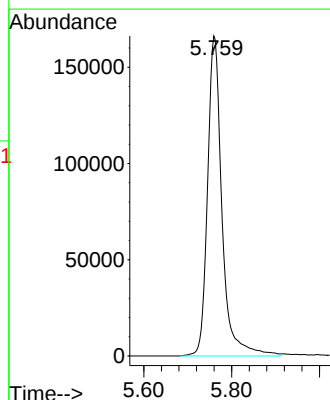
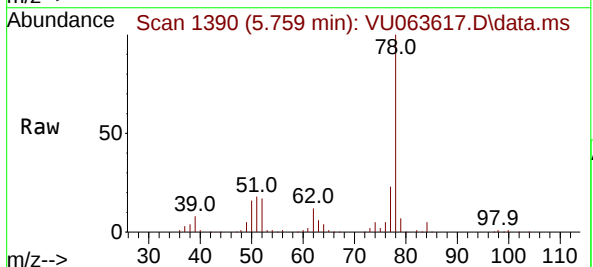
Instrument :
MSVOA_U
ClientSampleId :

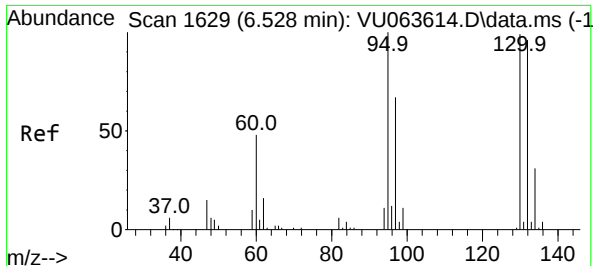
Tgt Ion:117 Resp: 111270
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.6



#33
Benzene
Concen: 55.016 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

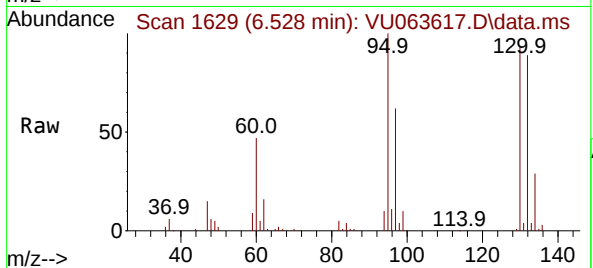
Tgt Ion: 78 Resp: 379522



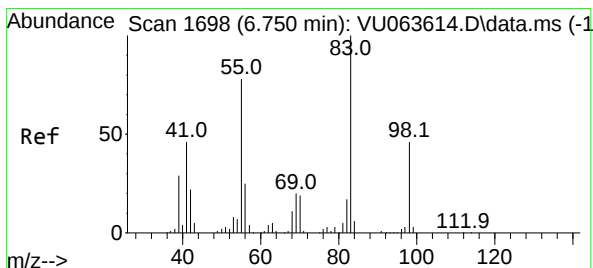
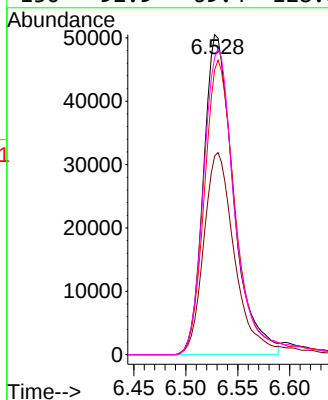
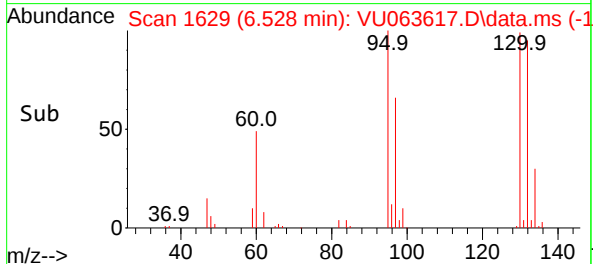


#34
Trichloroethene
Concen: 52.592 ug/L
RT: 6.528 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

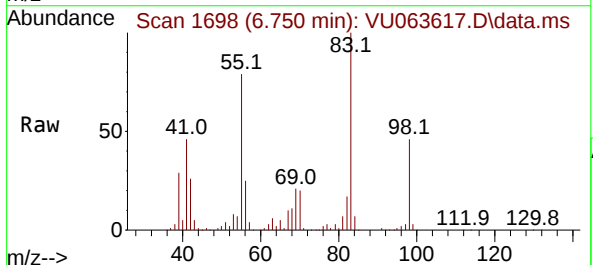
Instrument :
MSVOA_U
ClientSampleId :



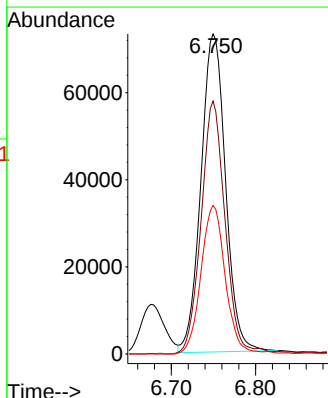
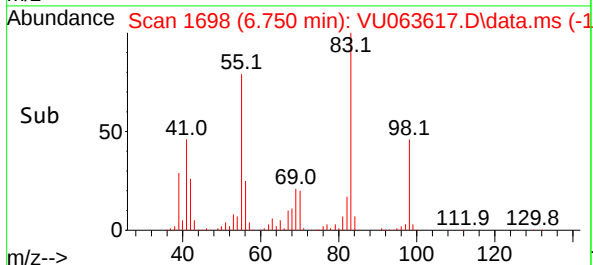
Tgt Ion: 95 Resp: 101604
Ion Ratio Lower Upper
95 100
97 62.1 46.6 86.6
132 89.1 66.8 124.2
130 92.9 69.4 128.8

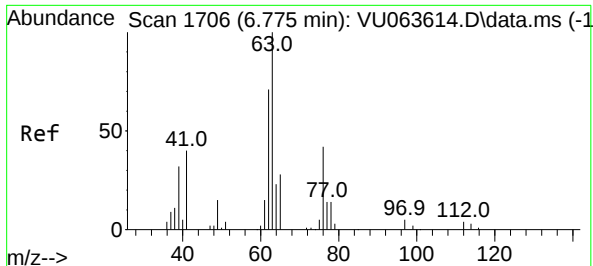


#35
Methylcyclohexane
Concen: 53.828 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08



Tgt Ion: 83 Resp: 148466
Ion Ratio Lower Upper
83 100
55 76.7 63.4 95.0
98 45.9 37.3 55.9

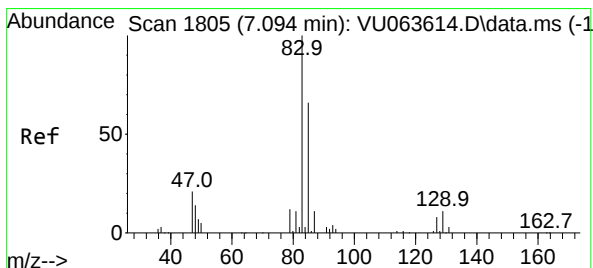
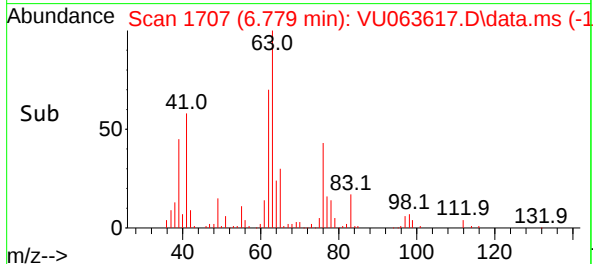
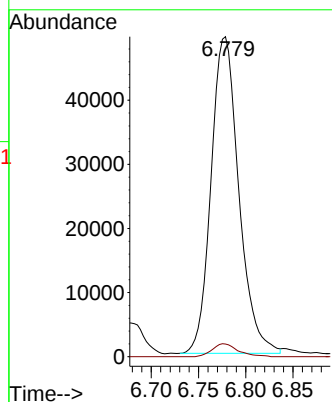
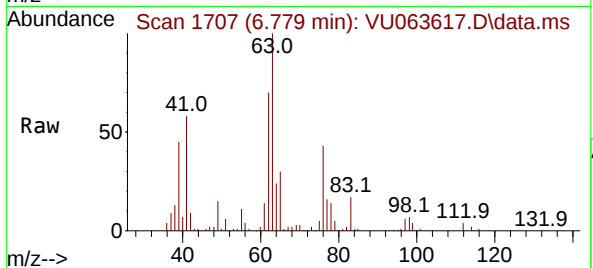




#37
1,2-Dichloropropane
Concen: 52.870 ug/L
RT: 6.779 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

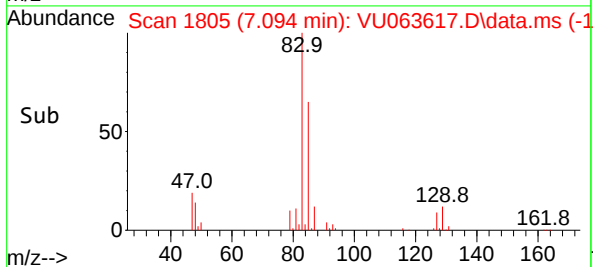
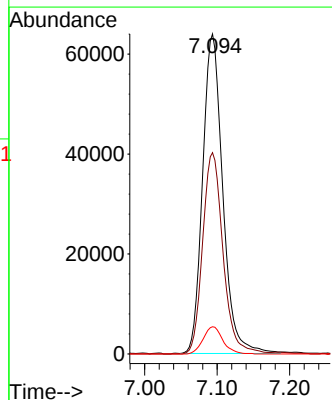
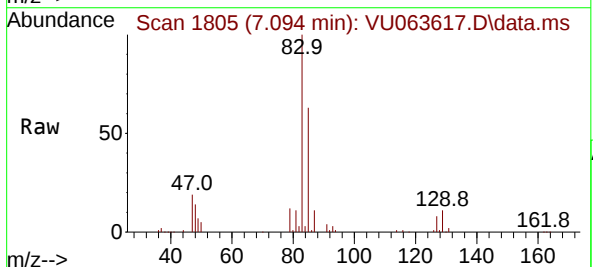
Instrument :
MSVOA_U
ClientSampleId :

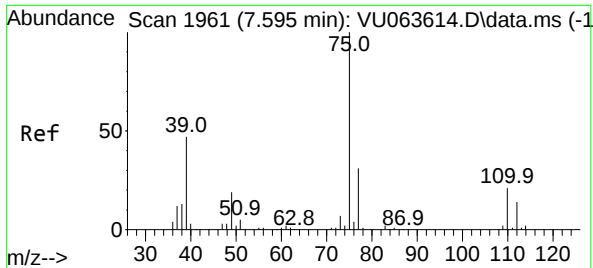
Tgt Ion: 63 Resp: 101011
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 54.473 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion: 83 Resp: 123396
Ion Ratio Lower Upper
83 100
85 62.9 45.9 85.3
127 8.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 53.502 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

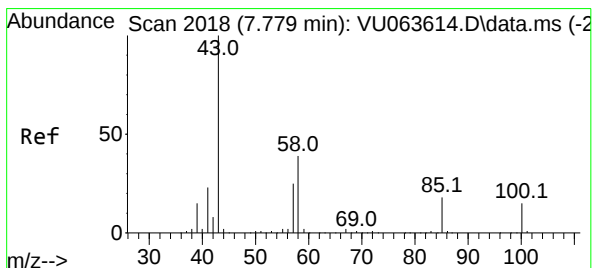
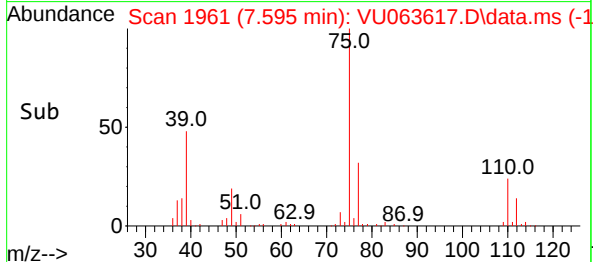
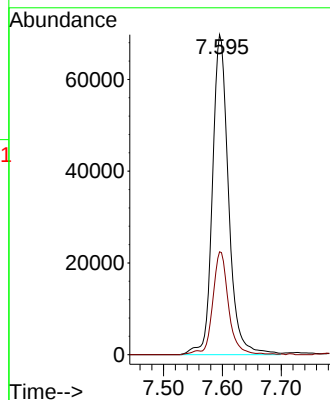
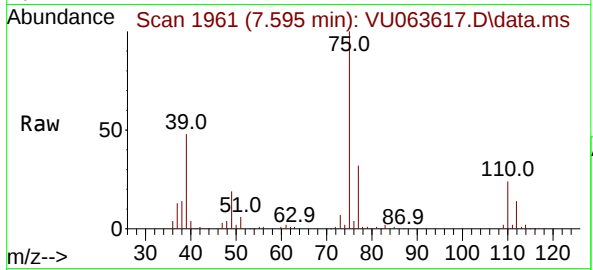
ClientSampleId :

Tgt Ion: 75 Resp: 132892

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 107.654 ug/L

RT: 7.778 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

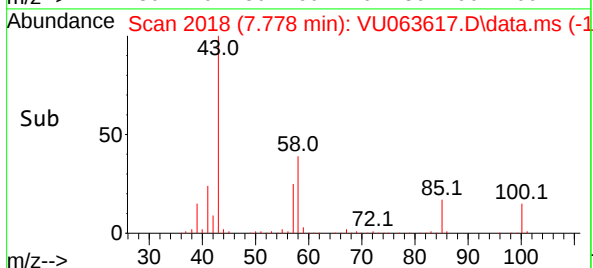
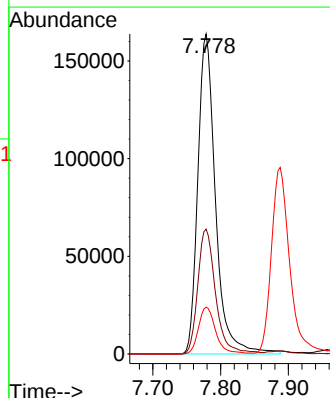
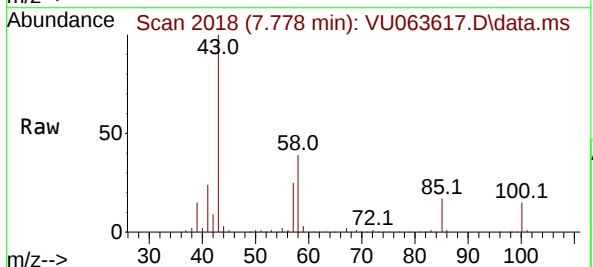
Tgt Ion: 43 Resp: 296337

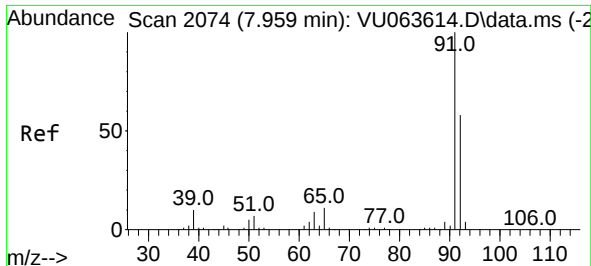
Ion Ratio Lower Upper

43 100

58 39.4 30.9 46.3

100 14.3 11.4 17.2





#42

Toluene

Concen: 54.318 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

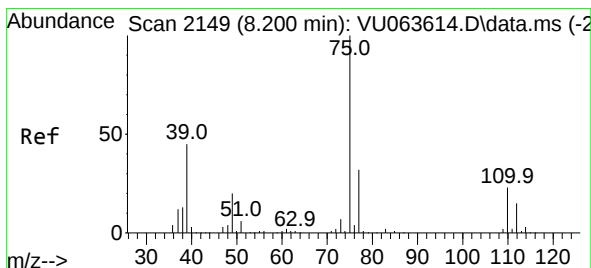
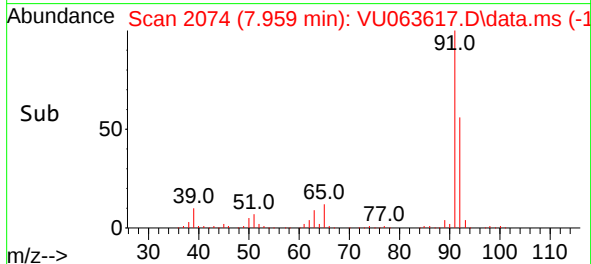
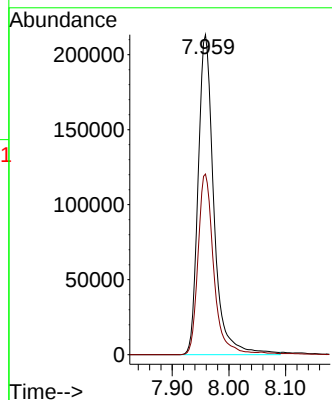
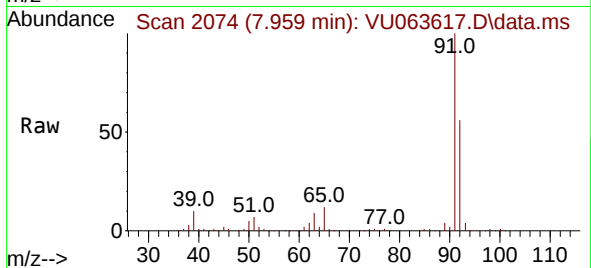
ClientSampleId :

Tgt Ion: 91 Resp: 410798

Ion Ratio Lower Upper

91 100

92 56.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 53.242 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063617.D

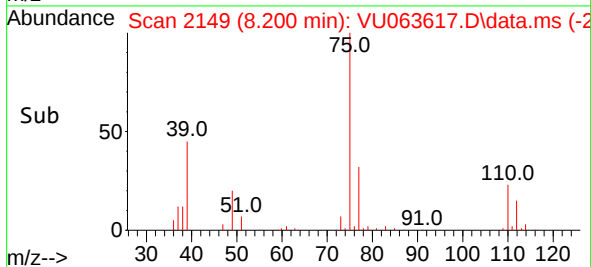
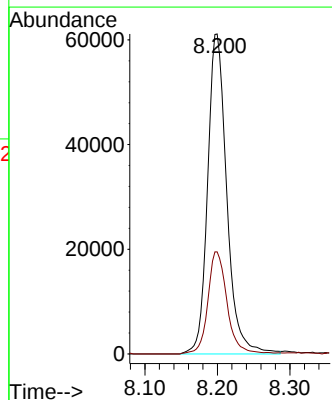
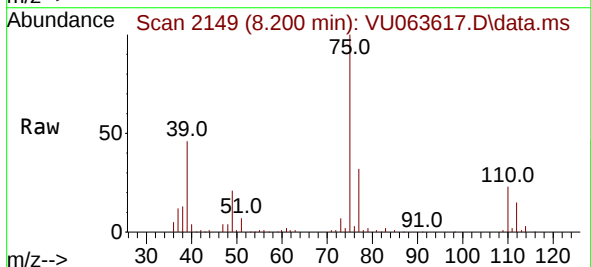
Acq: 22 Sep 2025 13:08

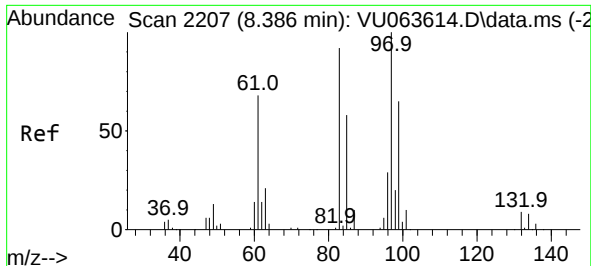
Tgt Ion: 75 Resp: 112290

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 54.482 ug/L

RT: 8.386 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 101026

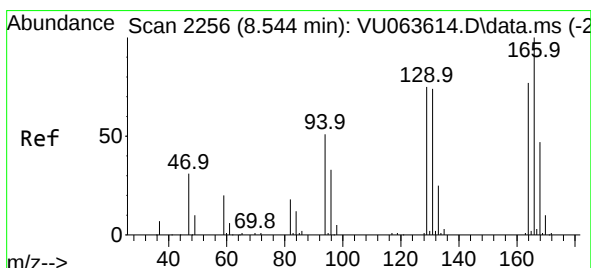
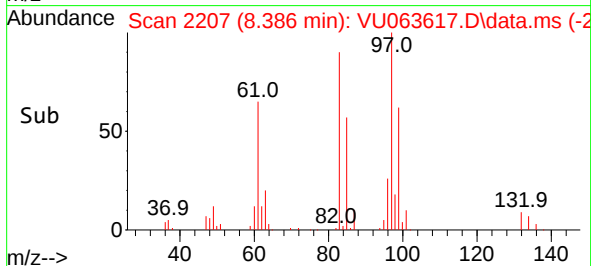
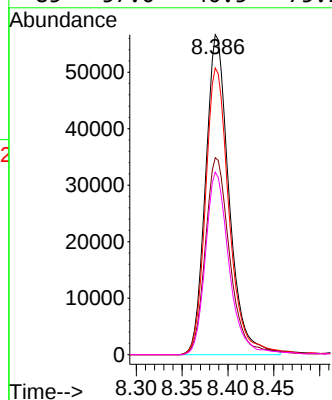
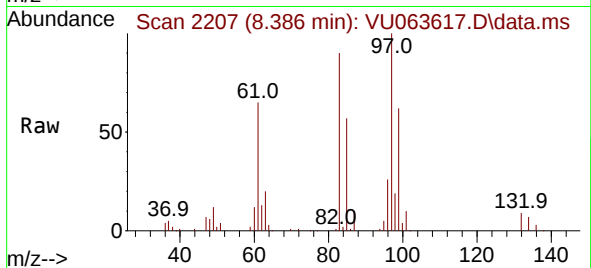
Ion Ratio Lower Upper

97 100

99 61.5 45.8 85.0

83 89.6 64.4 119.6

85 57.0 40.5 75.1



#46

Tetrachloroethene

Concen: 53.431 ug/L

RT: 8.540 min Scan# 2255

Delta R.T. -0.003 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Tgt Ion: 164 Resp: 75185

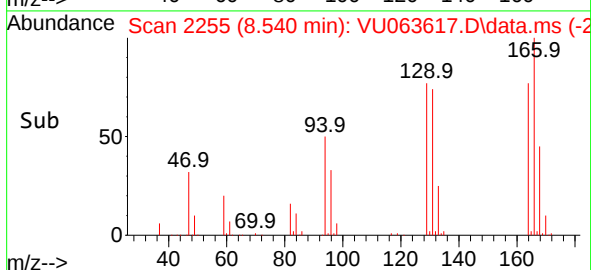
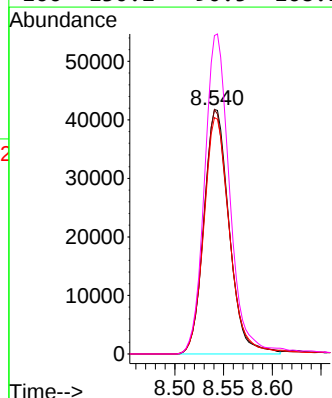
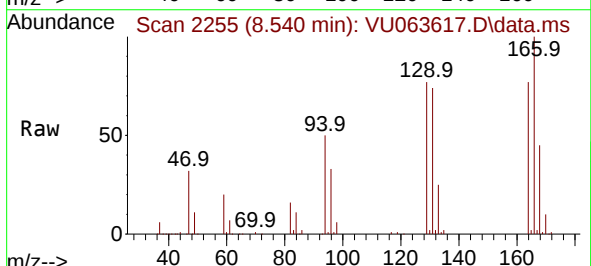
Ion Ratio Lower Upper

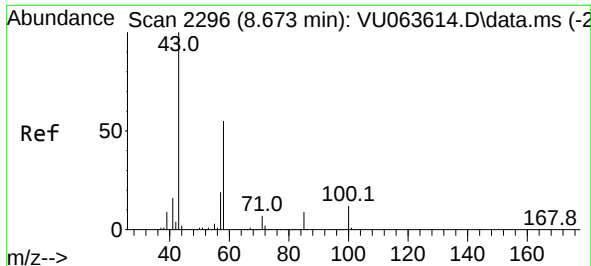
164 100

129 99.9 67.5 125.3

131 96.6 67.0 124.4

166 130.2 90.5 168.1

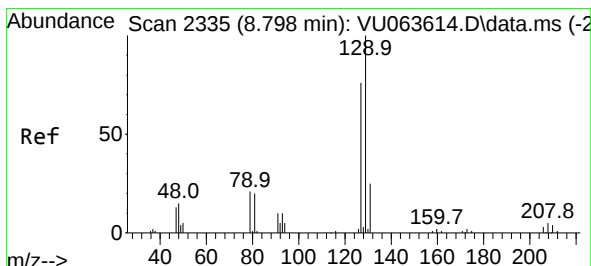
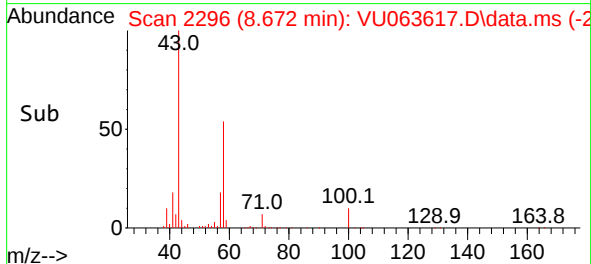
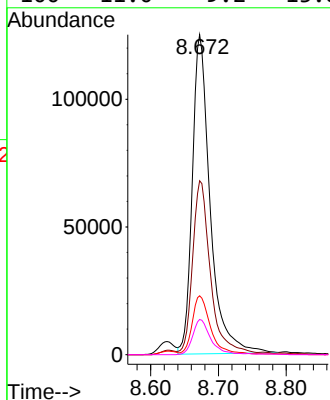
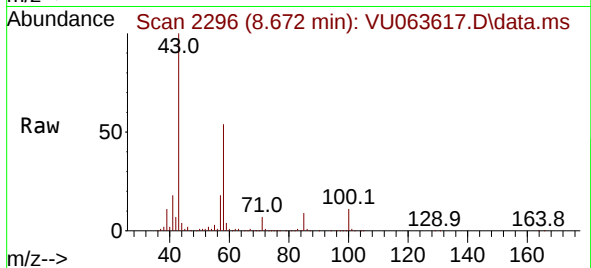




#48
2-Hexanone
Concen: 110.242 ug/L
RT: 8.672 min Scan# 2296
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

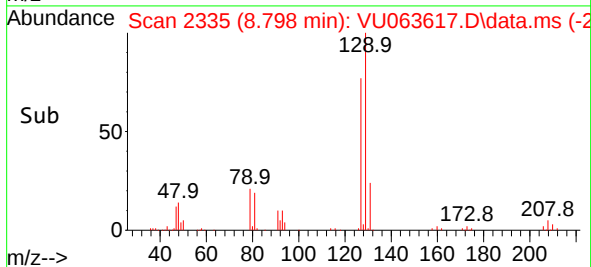
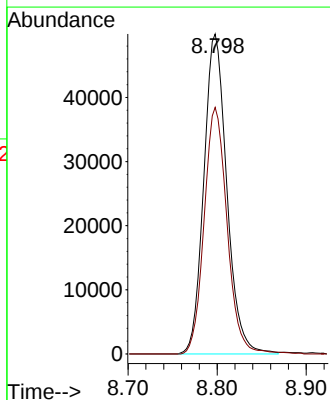
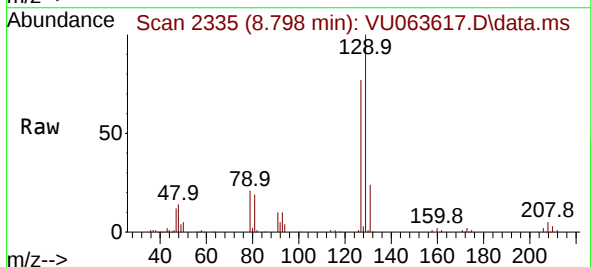
Instrument :
MSVOA_U
ClientSampleId :

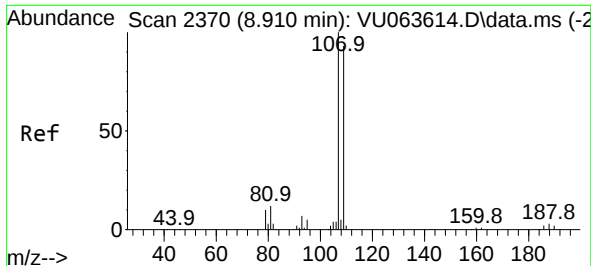
Tgt Ion: 43 Resp: 229568
Ion Ratio Lower Upper
43 100
58 53.1 41.7 62.5
57 18.3 14.7 22.1
100 11.0 9.2 13.8



#49
Dibromochloromethane
Concen: 53.936 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion:129 Resp: 89527
Ion Ratio Lower Upper
129 100
127 77.1 53.1 98.7





#50

1,2-Dibromoethane

Concen: 54.690 ug/L

RT: 8.913 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

ClientSampleId :

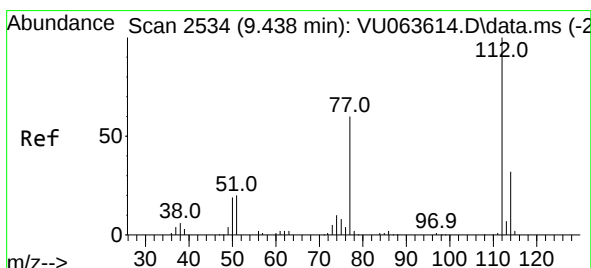
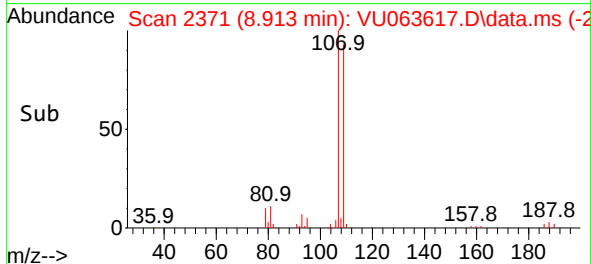
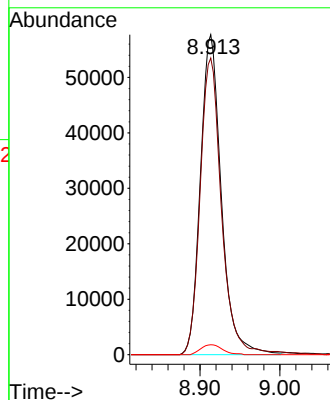
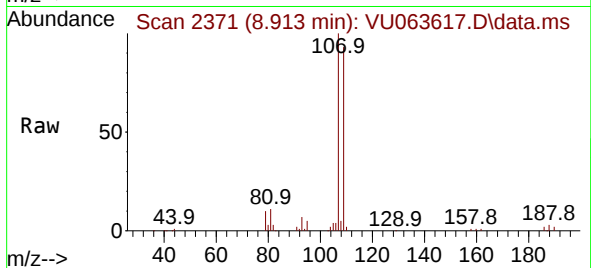
Tgt Ion:107 Resp: 105032

Ion Ratio Lower Upper

107 100

109 92.7 65.0 120.6

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 53.798 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

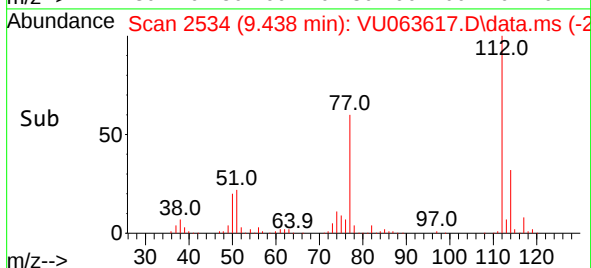
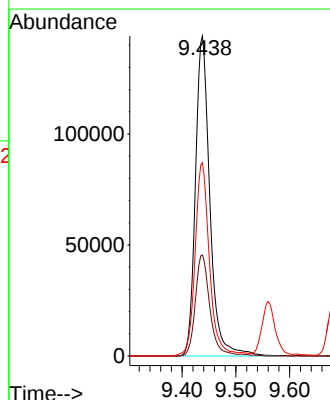
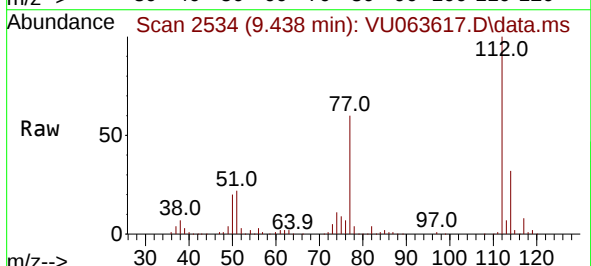
Tgt Ion:112 Resp: 269238

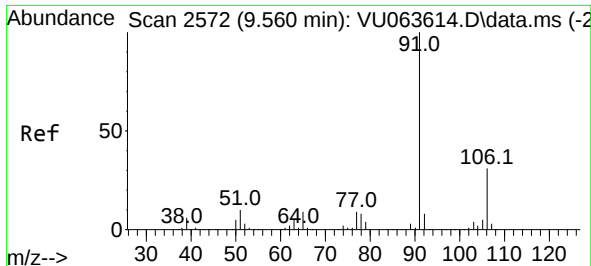
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 60.4 48.2 72.2

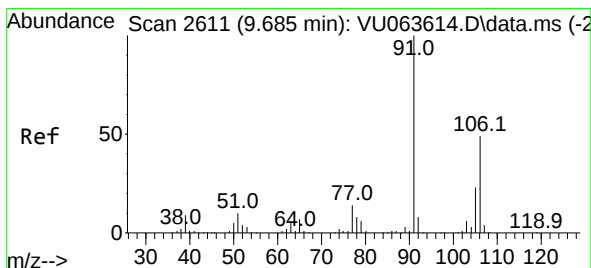
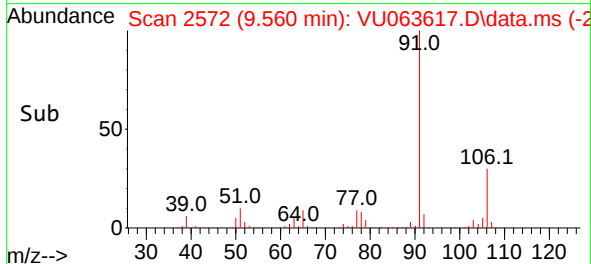
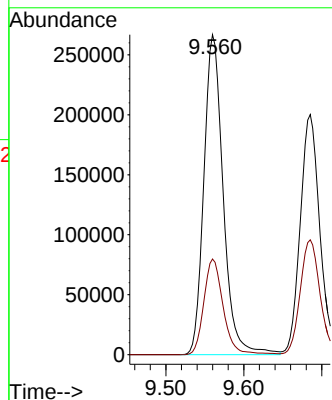
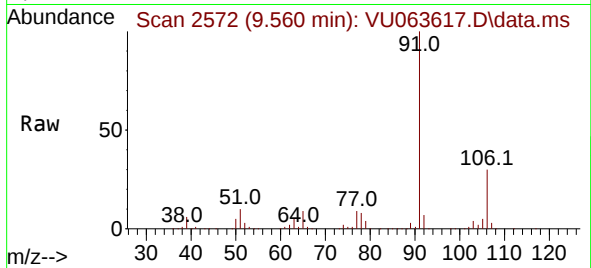




#52
Ethylbenzene
Concen: 54.963 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

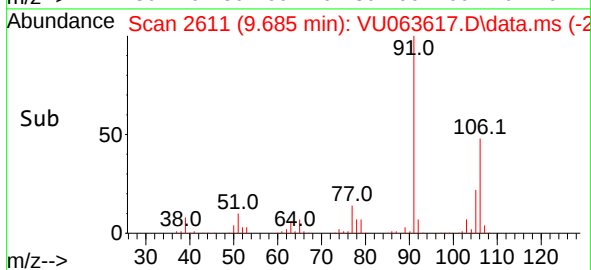
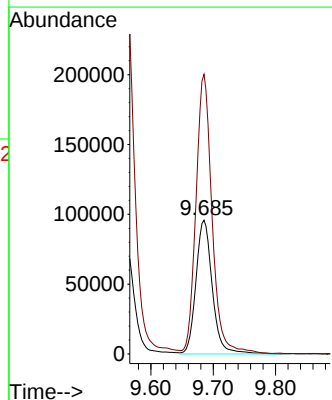
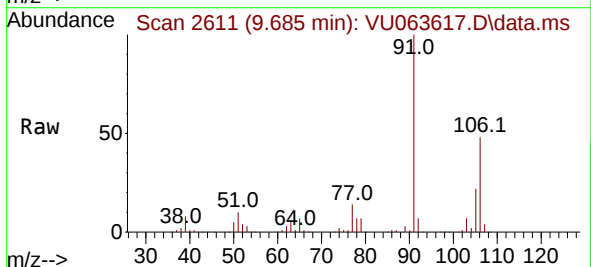
Instrument :
MSVOA_U
ClientSampleId :

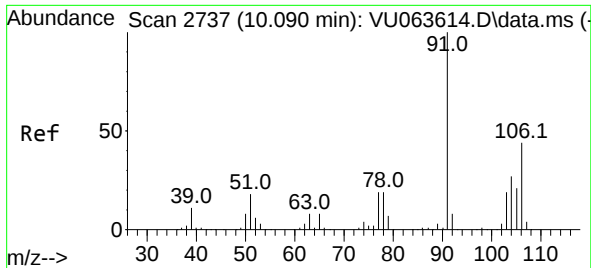
Tgt Ion: 91 Resp: 459651
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9



#53
m,p-Xylene
Concen: 56.023 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion: 106 Resp: 174775
Ion Ratio Lower Upper
106 100
91 209.0 144.1 267.7

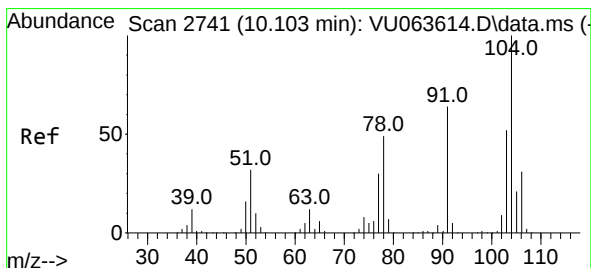
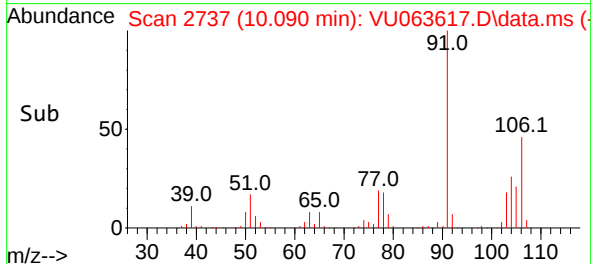
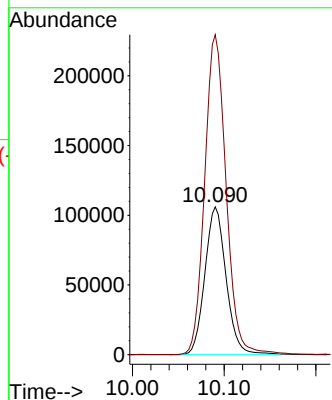
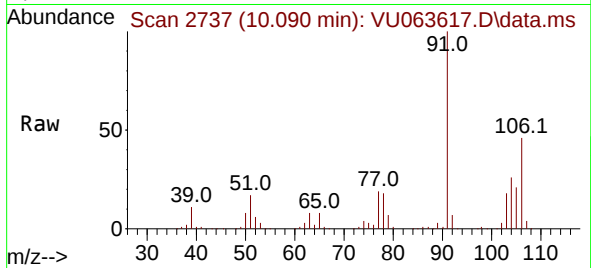




#54
o-Xylene
Concen: 54.907 ug/L
RT: 10.090 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

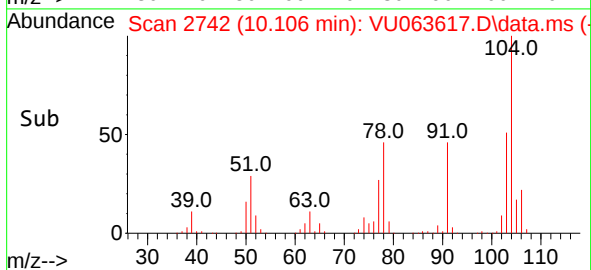
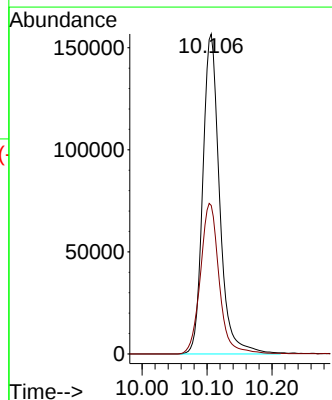
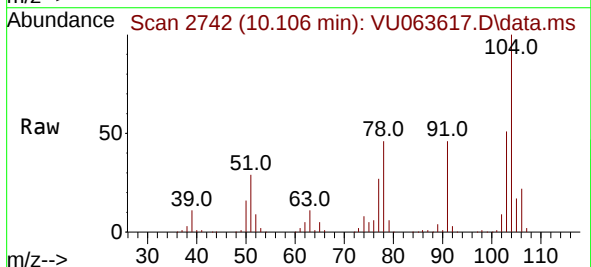
Instrument :
MSVOA_U
ClientSampleId :

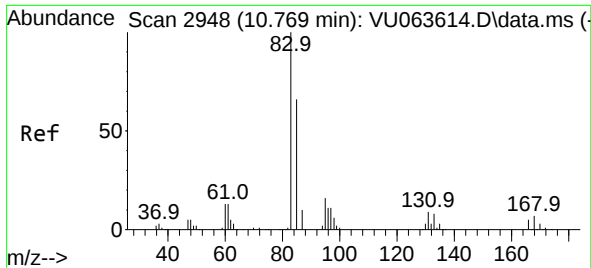
Tgt Ion:106 Resp: 170697
Ion Ratio Lower Upper
106 100
91 216.4 158.5 294.3



#55
Styrene
Concen: 55.611 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.003 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion:104 Resp: 282533
Ion Ratio Lower Upper
104 100
78 46.4 34.5 64.1

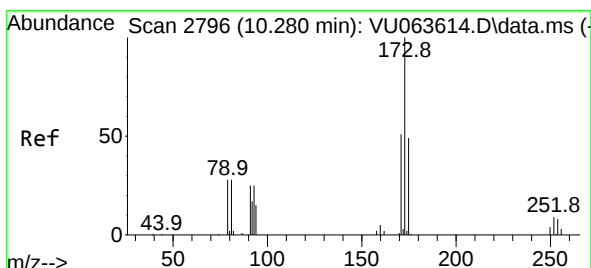
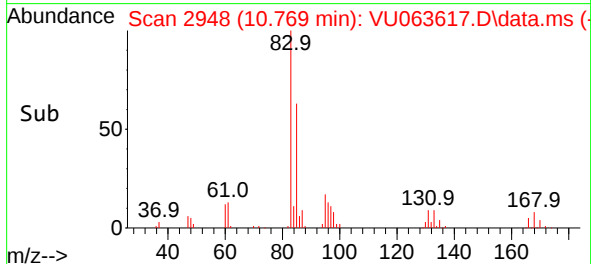
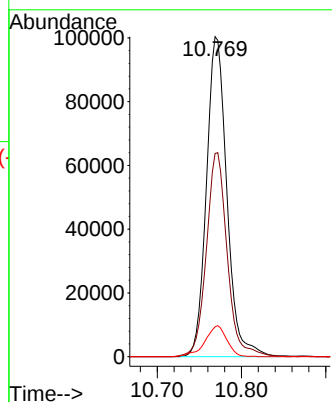
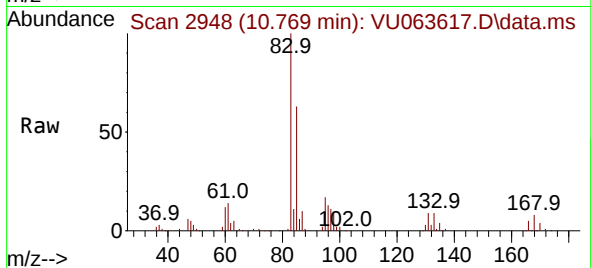




#57
1,1,2,2-Tetrachloroethane
Concen: 54.075 ug/L
RT: 10.769 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

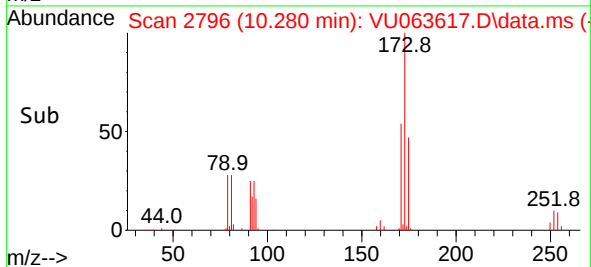
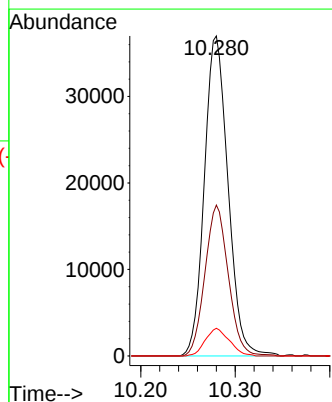
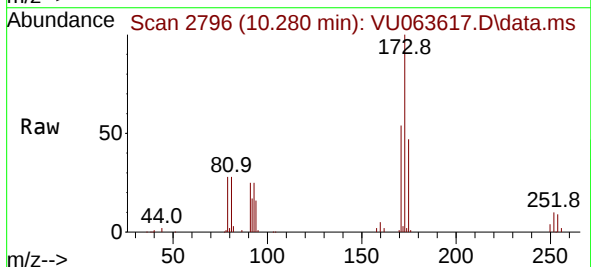
Instrument :
MSVOA_U
ClientSampleId :

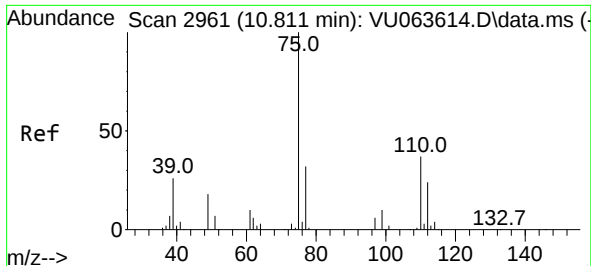
Tgt Ion: 83 Resp: 169489
Ion Ratio Lower Upper
83 100
85 63.5 46.0 85.4
131 9.4 7.4 11.2



#59
Bromoform
Concen: 53.382 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion: 173 Resp: 64349
Ion Ratio Lower Upper
173 100
175 46.5 39.3 58.9
254 8.8 6.2 9.4

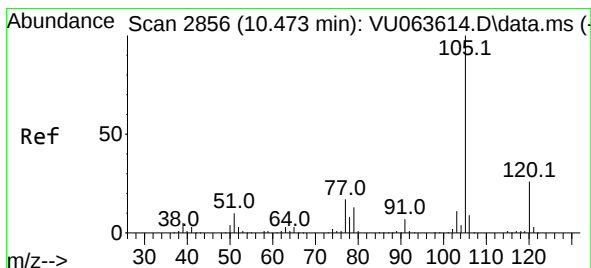
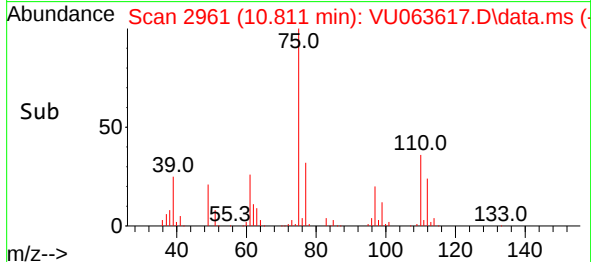
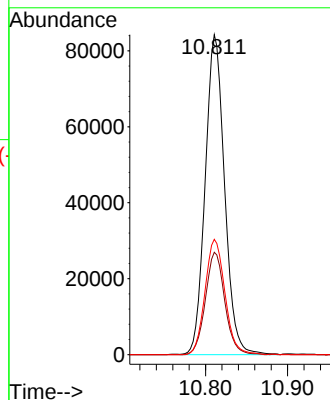
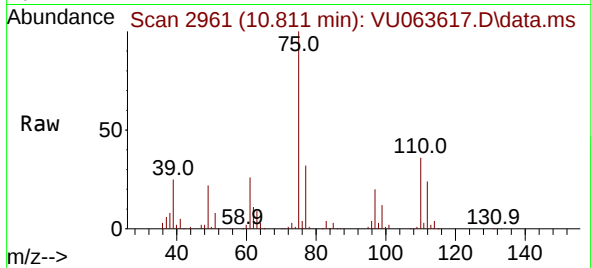




#60
1,2,3-Trichloropropane
Concen: 53.069 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

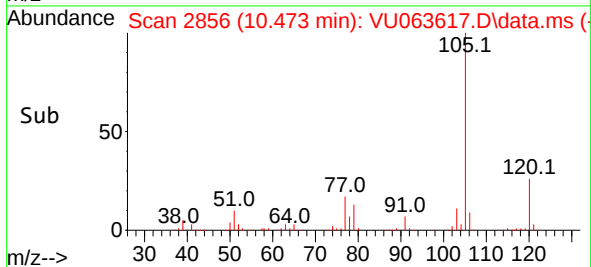
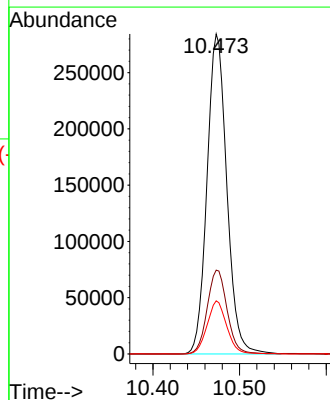
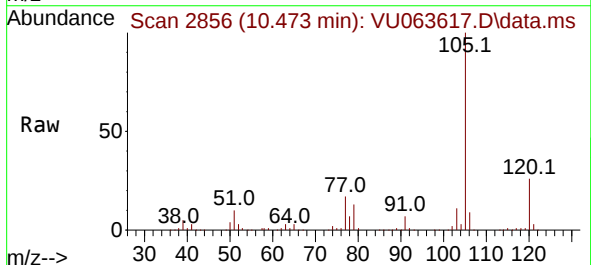
Instrument :
MSVOA_U
ClientSampleId :

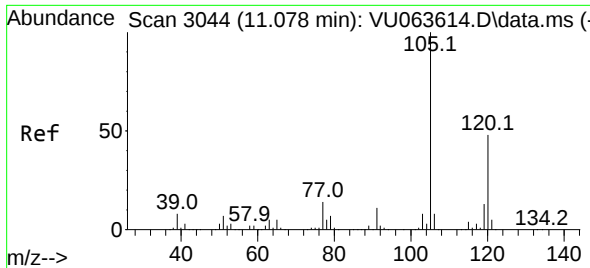
Tgt Ion: 75 Resp: 138500
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
110 37.1 29.2 43.8



#61
Isopropylbenzene
Concen: 53.446 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

Tgt Ion: 105 Resp: 451253
Ion Ratio Lower Upper
105 100
120 26.3 21.2 31.8
77 16.5 13.4 20.0

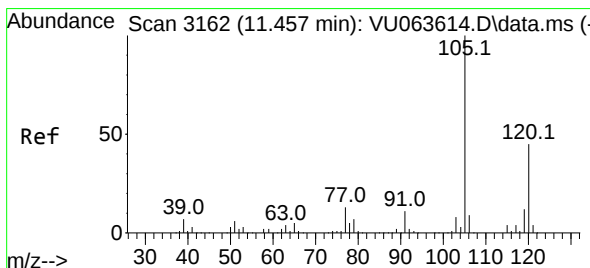
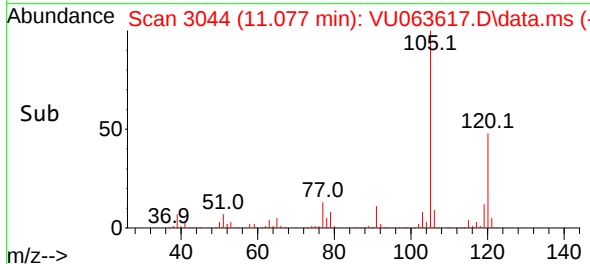
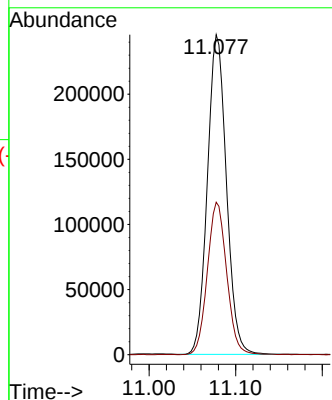
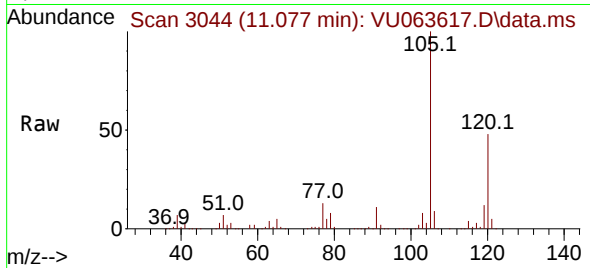




#62
1,3,5-Trimethylbenzene
Concen: 53.973 ug/L
RT: 11.077 min Scan# 3044
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

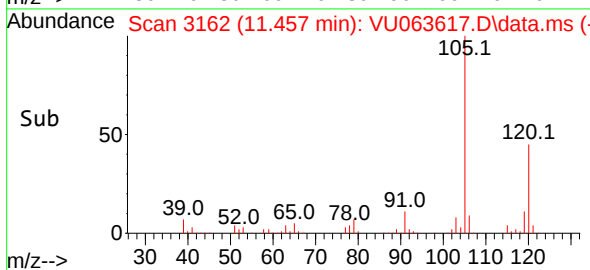
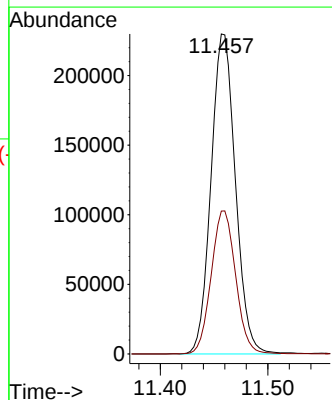
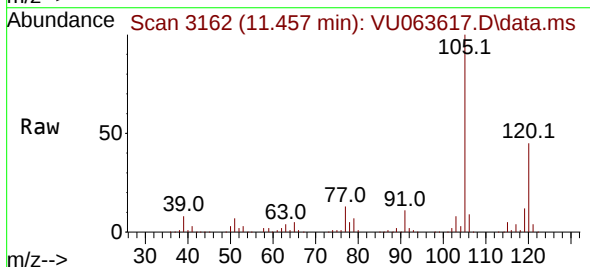
Instrument :
MSVOA_U
ClientSampleId :

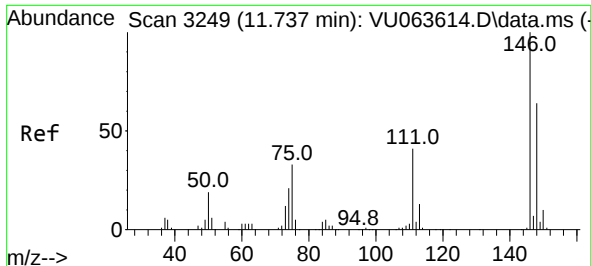
Tgt Ion:105 Resp: 374773
Ion Ratio Lower Upper
105 100
120 48.3 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 53.773 ug/L
RT: 11.457 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

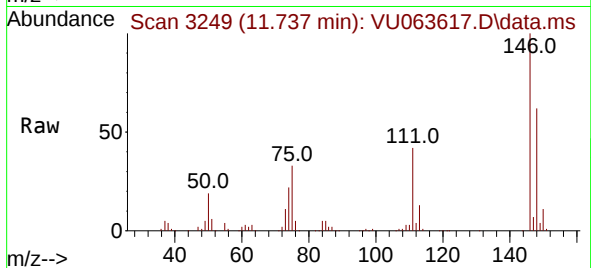
Tgt Ion:105 Resp: 361986
Ion Ratio Lower Upper
105 100
120 44.8 35.6 53.4



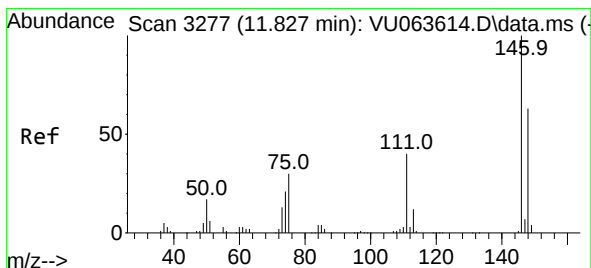
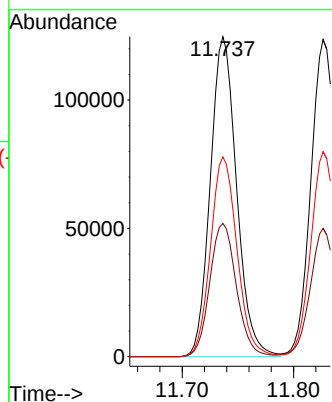
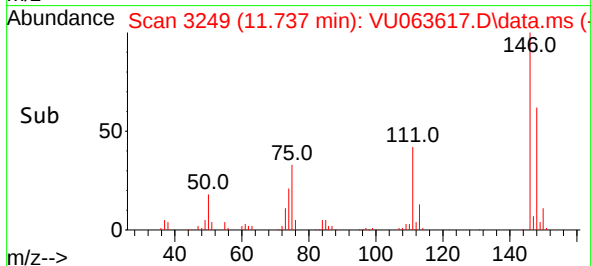


#64
1,3-Dichlorobenzene
Concen: 53.204 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08

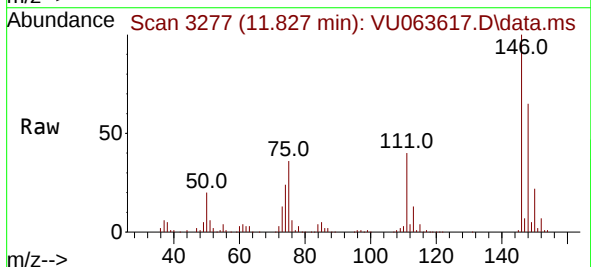
Instrument :
MSVOA_U
ClientSampleId :



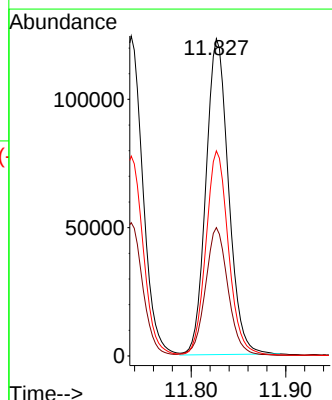
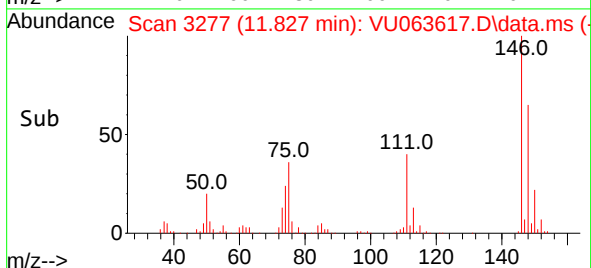
Tgt Ion:146 Resp: 204721
Ion Ratio Lower Upper
146 100
111 41.6 28.6 53.0
148 62.5 44.5 82.7

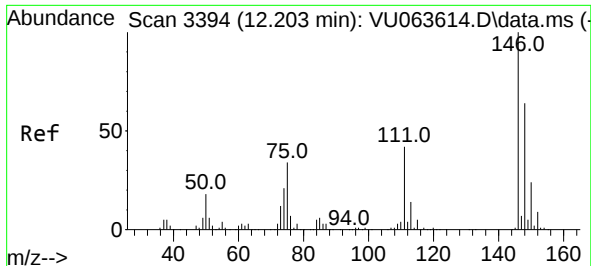


#65
1,4-Dichlorobenzene
Concen: 52.608 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VU063617.D
Acq: 22 Sep 2025 13:08



Tgt Ion:146 Resp: 204793
Ion Ratio Lower Upper
146 100
111 40.4 27.9 51.9
148 64.7 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 53.010 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

ClientSampleId :

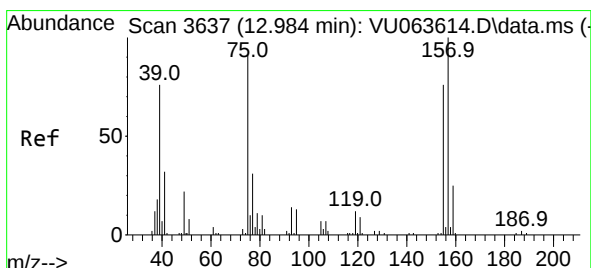
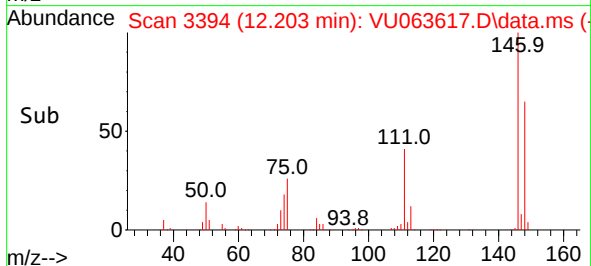
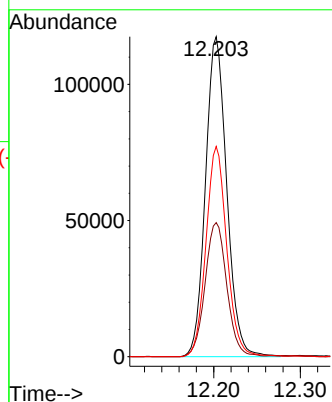
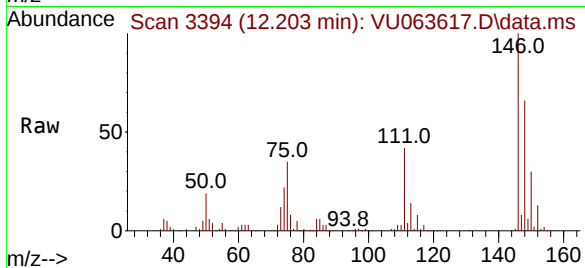
Tgt Ion:146 Resp: 200570

Ion Ratio Lower Upper

146 100

111 41.9 33.6 50.4

148 65.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 53.958 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

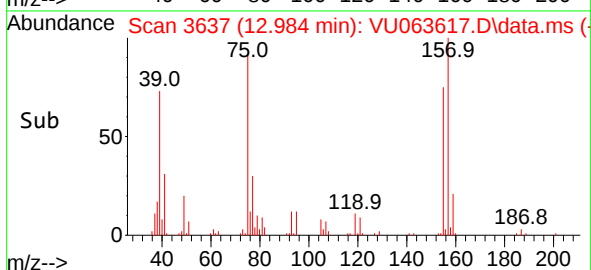
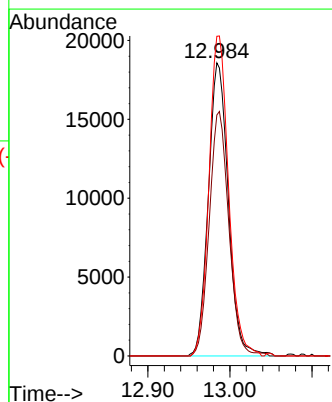
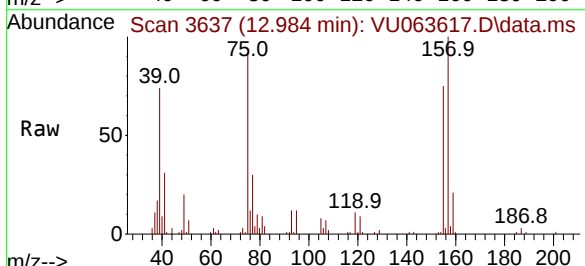
Tgt Ion: 75 Resp: 31583

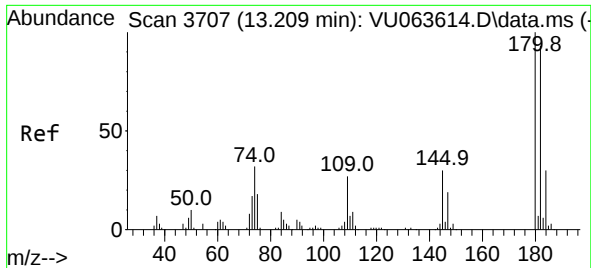
Ion Ratio Lower Upper

75 100

155 85.1 66.6 99.8

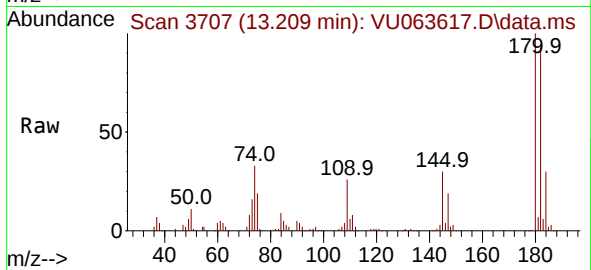
157 109.0 87.6 131.4



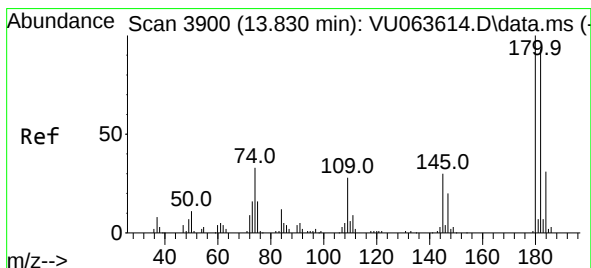
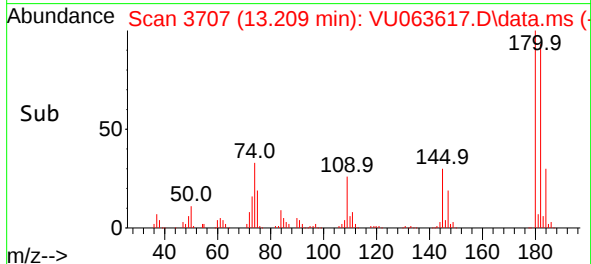
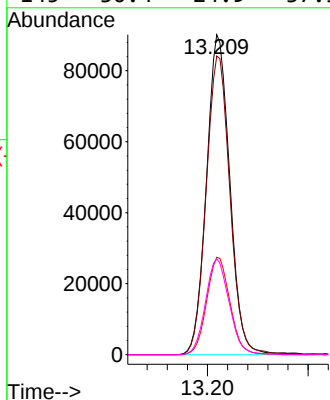


#69
 1,3,5-Trichlorobenzene
 Concen: 53.835 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

Instrument :
 MSVOA_U
 ClientSampleId :

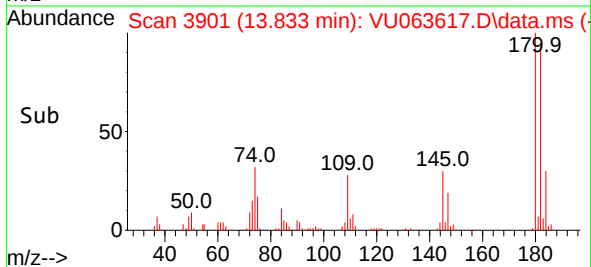
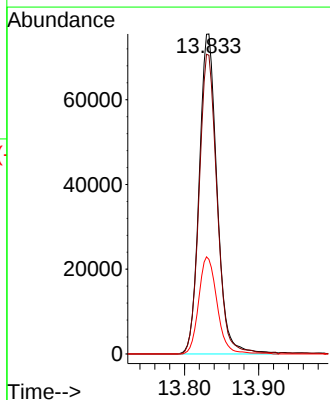
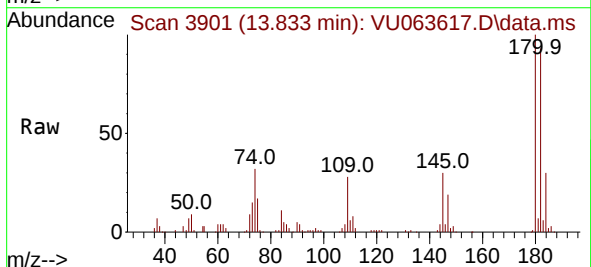


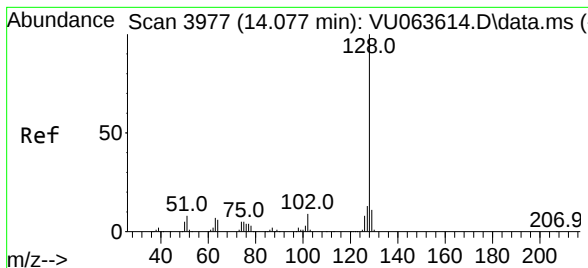
Tgt Ion:180 Resp: 144820
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.9 113.9
 184 30.3 24.4 36.6
 145 30.4 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 56.750 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.003 min
 Lab File: VU063617.D
 Acq: 22 Sep 2025 13:08

Tgt Ion:180 Resp: 126037
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.4 113.0
 145 31.0 24.6 37.0





#71

Naphthalene

Concen: 62.064 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. -0.000 min

Lab File: VU063617.D

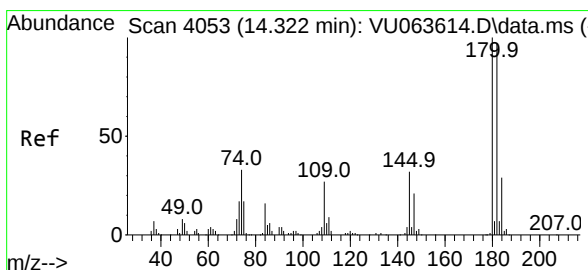
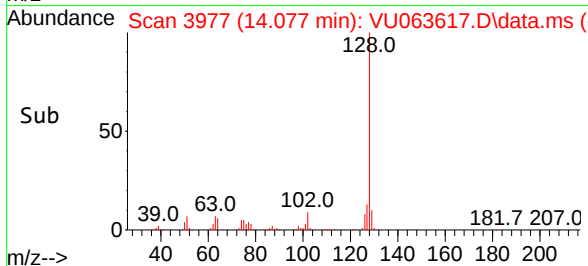
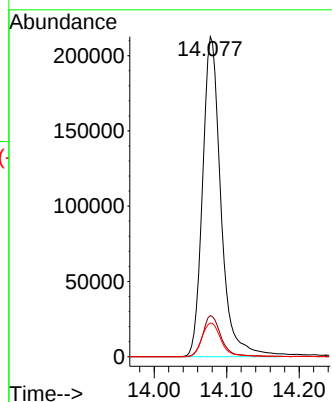
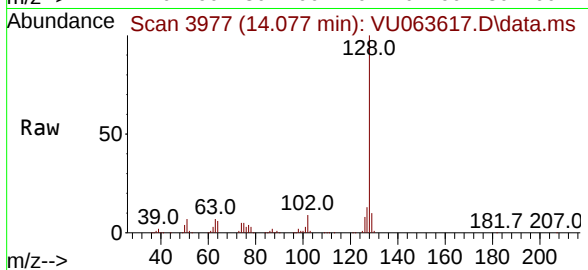
Acq: 22 Sep 2025 13:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp: 374510
Ion Ratio	Lower Upper
128	100
127	12.8 10.2 15.4
129	11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 56.338 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU063617.D

Acq: 22 Sep 2025 13:08

Tgt Ion:180	Resp: 119926
Ion Ratio	Lower Upper
180	100
182	97.3 77.4 116.2
145	33.7 25.9 38.9

