

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063620.D
 Acq On : 22 Sep 2025 15:32
 Operator : MD/SY
 Sample : Q2899-01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 23 05:55:02 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	247372	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	234658	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	79570	47.957	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.920%
7) Chloroethane-d5	1.891	69	71388	50.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.140%
11) 1,1-Dichloroethene-d2	2.550	63	107241	36.170	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.340%
21) 2-Butanone-d5	4.615	46	114282	99.827	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.830%
24) Chloroform-d	5.045	84	145781	46.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.920%
26) 1,2-Dichloroethane-d4	5.685	65	101203	50.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.080%
32) Benzene-d6	5.711	84	290103	51.616	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.240%
36) 1,2-Dichloropropane-d6	6.676	67	96321	52.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.920%
41) Toluene-d8	7.888	98	263214	49.833	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.660%
43) trans-1,3-Dichloroprop...	8.171	79	29849	44.883	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.760%
47) 2-Hexanone-d5	8.624	63	66993	99.575	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.580%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	137889	48.771	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.540%
66) 1,2-Dichlorobenzene-d4	12.183	152	97015	52.501	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2712	2.037	ug/L	97
3) Chloromethane	1.515	50	4116	2.398	ug/L	100
5) Vinyl chloride	1.595	62	5107	2.500	ug/L #	77
6) Bromomethane	1.830	94	3276	2.531	ug/L	90
8) Chloroethane	1.911	64	2988	2.159	ug/L	91
9) Trichlorofluoromethane	2.123	101	6205	2.085	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	4344	2.653	ug/L #	80
12) 1,1-Dichloroethene	2.567	96	3727	2.559	ug/L #	1
13) Acetone	2.621	43	5819	4.259	ug/L	92
14) Carbon disulfide	2.776	76	8109	2.146	ug/L	95
15) Methyl Acetate	2.956	43	3355	1.655	ug/L	97
16) Methylene chloride	3.030	84	6086	3.305	ug/L	91
17) trans-1,2-Dichloroethene	3.345	96	3145	2.005	ug/L	93
18) Methyl tert-butyl Ether	3.357	73	10253	2.021	ug/L	95
19) 1,1-Dichloroethane	3.917	63	89	0.028	ug/L #	49
20) cis-1,2-Dichloroethene	4.650	96	3732	2.032	ug/L	92
22) 2-Butanone	4.727	43	1398	0.885	ug/L	81
23) Bromochloromethane	4.965	128	1551	1.612	ug/L	94
25) Chloroform	5.068	83	8116	2.394	ug/L	93

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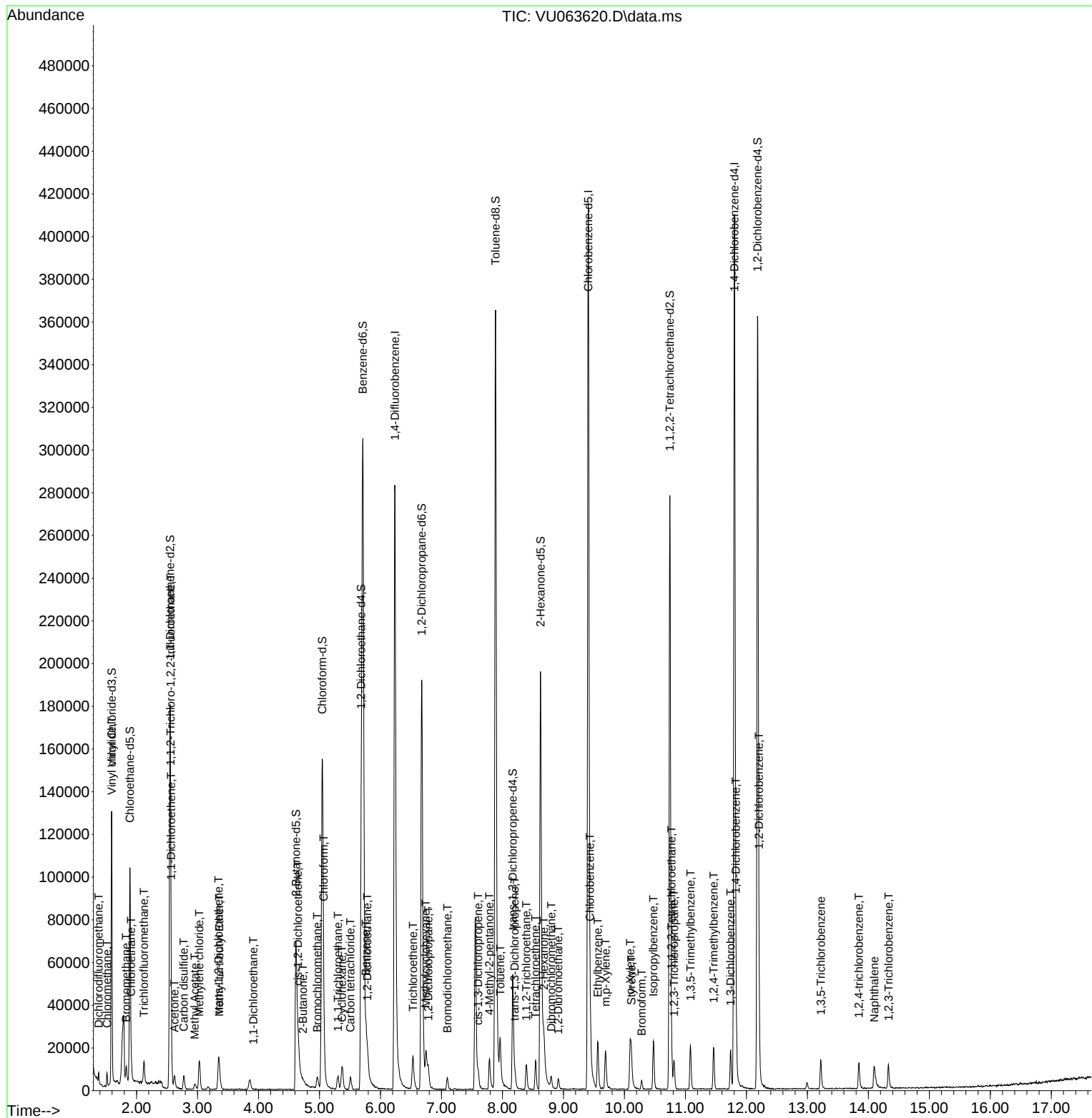
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	6065	2.165	ug/L #	92
29) Cyclohexane	5.370	56	5839	2.117	ug/L #	92
30) 1,1,1-Trichloroethane	5.306	97	4828	1.871	ug/L #	80
31) Carbon tetrachloride	5.508	117	3706	1.813	ug/L	96
33) Benzene	5.763	78	13301	1.952	ug/L	100
34) Trichloroethene	6.534	95	4382	2.296	ug/L	96
35) Methylcyclohexane	6.743	83	5719	2.099	ug/L	98
37) 1,2-Dichloropropane	6.785	63	4258	2.256	ug/L #	88
38) Bromodichloromethane	7.097	83	3864	1.727	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	4915	2.003	ug/L	86
40) 4-Methyl-2-pentanone	7.785	43	10827	3.982	ug/L	94
42) Toluene	7.965	91	15105	2.022	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	686	0.329	ug/L	92
45) 1,1,2-Trichloroethane	8.389	97	4061	2.217	ug/L	95
46) Tetrachloroethene	8.541	164	3232	2.325	ug/L	89
48) 2-Hexanone	8.682	43	14579	7.087	ug/L #	81
49) Dibromochloromethane	8.801	129	2588	1.578	ug/L	90
50) 1,2-Dibromoethane	8.914	107	3759	1.981	ug/L #	95
51) Chlorobenzene	9.438	112	10640	2.152	ug/L	97
52) Ethylbenzene	9.563	91	16836	2.038	ug/L	96
53) m,p-Xylene	9.692	106	5915	1.919	ug/L	97
54) o-Xylene	10.097	106	5691	1.853	ug/L	100
55) Styrene	10.116	104	8638	1.721	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	7213	2.330	ug/L	93
59) Bromoform	10.283	173	1902	1.776	ug/L #	92
60) 1,2,3-Trichloropropane	10.814	75	5816	2.509	ug/L	94
61) Isopropylbenzene	10.476	105	15094	2.013	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	12354	2.003	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	11827	1.978	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7896	2.310	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	8281	2.395	ug/L	93
67) 1,2-Dichlorobenzene	12.206	146	7982	2.375	ug/L	92
69) 1,3,5-Trichlorobenzene	13.222	180	5269	2.205	ug/L	96
70) 1,2,4-trichlorobenzene	13.846	180	4093	2.075	ug/L	97
71) Naphthalene	14.097	128	13332	2.487	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.331	180	4070	2.152	ug/L	95

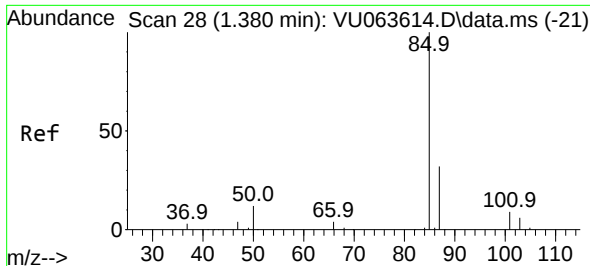
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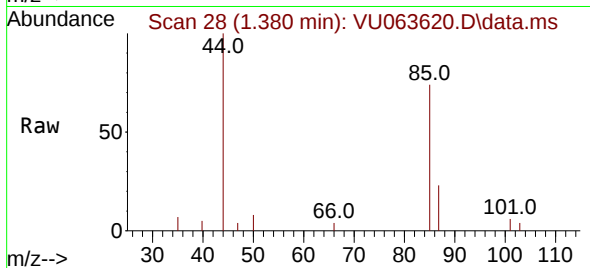
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Quant Title : VOC Analysis
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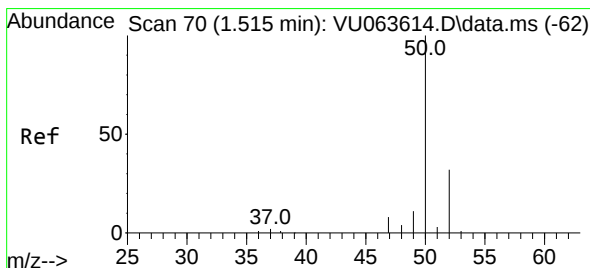
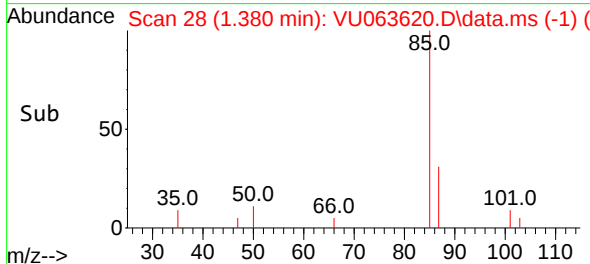
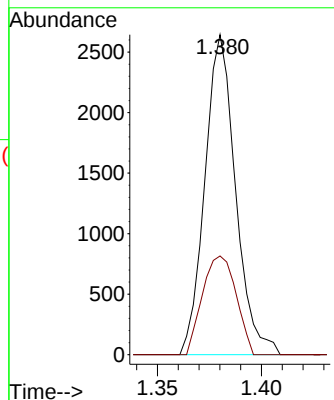


#2
 Dichlorodifluoromethane
 Concen: 2.037 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

Instrument :
 MSVOA_U
 ClientSampleId :

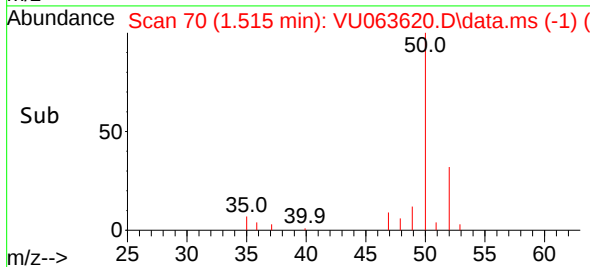
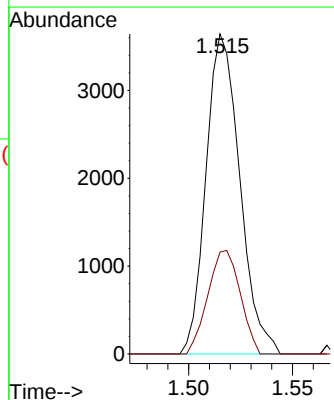
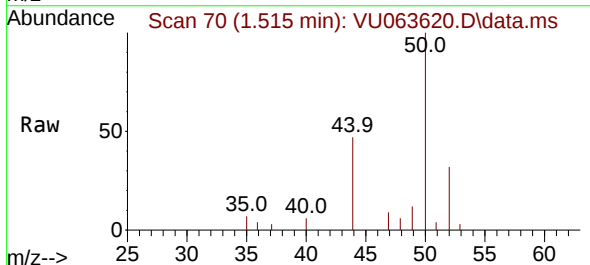


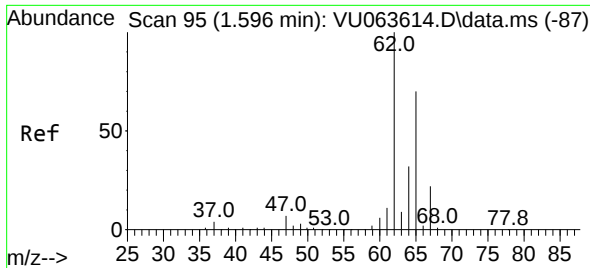
Tgt Ion: 85 Resp: 2712
 Ion Ratio Lower Upper
 85 100
 87 33.8 25.5 38.3



#3
 Chloromethane
 Concen: 2.398 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

Tgt Ion: 50 Resp: 4116
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.2 41.2

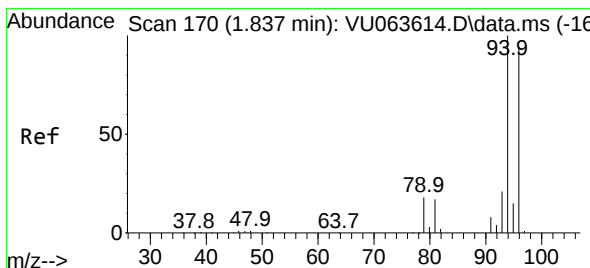
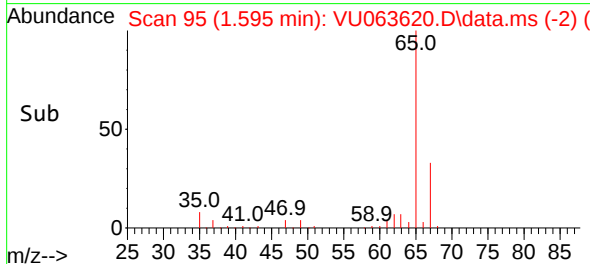
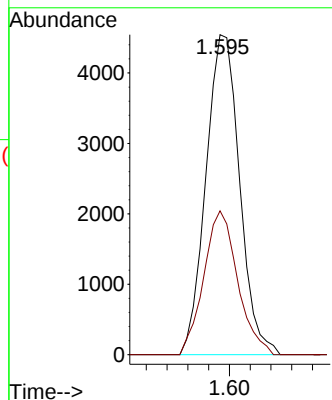
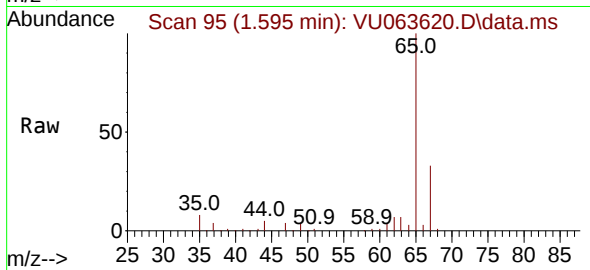




#5
 Vinyl chloride
 Concen: 2.500 ug/L
 RT: 1.595 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

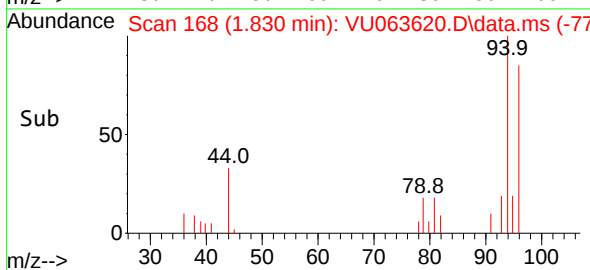
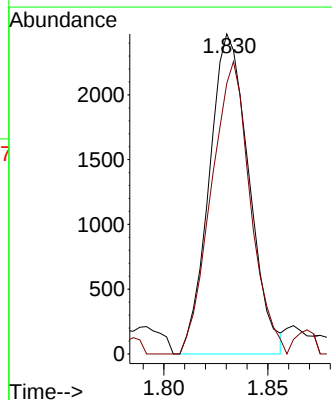
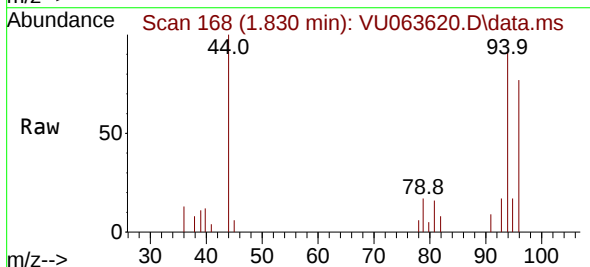
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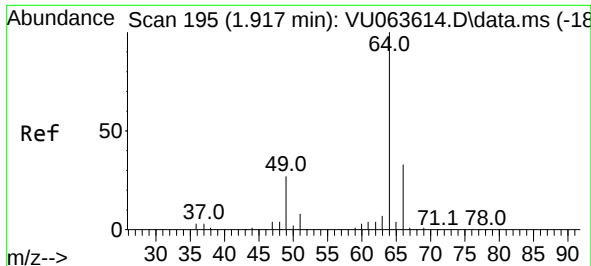
Tgt Ion: 62 Resp: 5107
 Ion Ratio Lower Upper
 62 100
 64 44.9 22.5 41.7#



#6
 Bromomethane
 Concen: 2.531 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.007 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

Tgt Ion: 94 Resp: 3276
 Ion Ratio Lower Upper
 94 100
 96 84.5 65.7 122.1

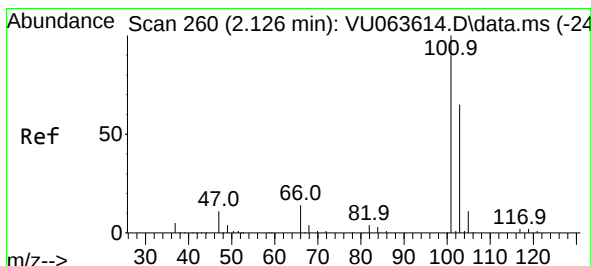
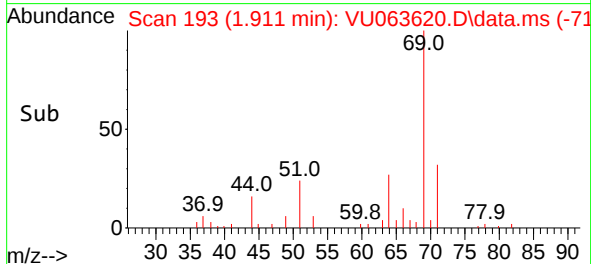
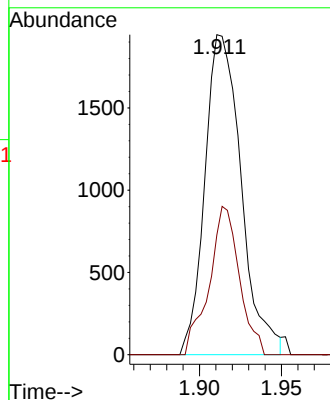
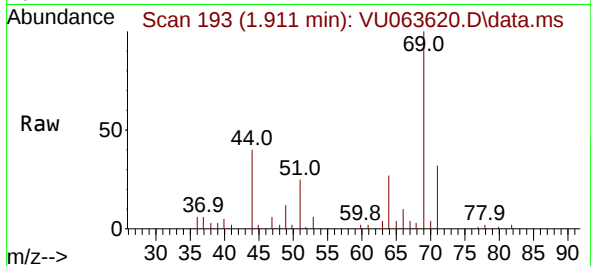




#8
Chloroethane
Concen: 2.159 ug/L
RT: 1.911 min Scan# 19
Delta R.T. -0.007 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

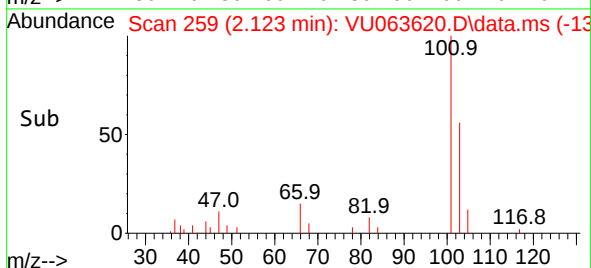
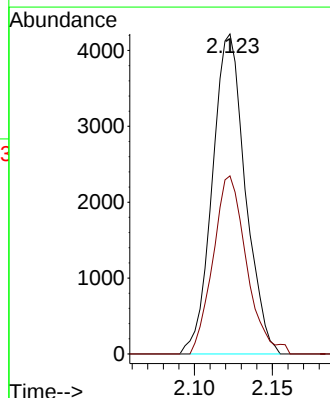
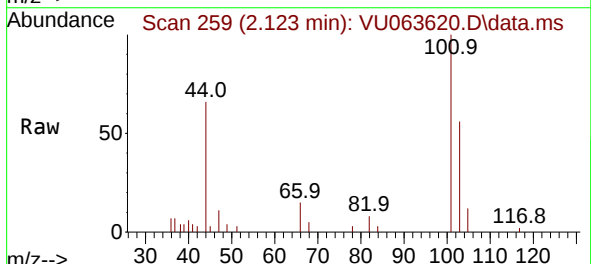
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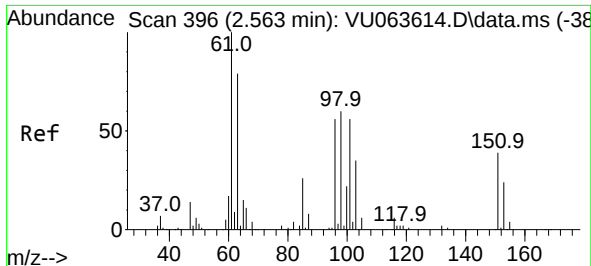
Tgt Ion: 64 Resp: 2988
Ion Ratio Lower Upper
64 100
66 37.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 2.085 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion:101 Resp: 6205
Ion Ratio Lower Upper
101 100
103 55.6 51.1 76.7

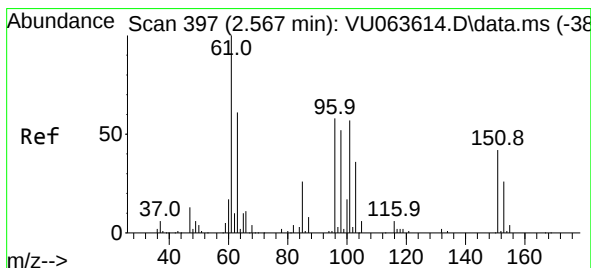
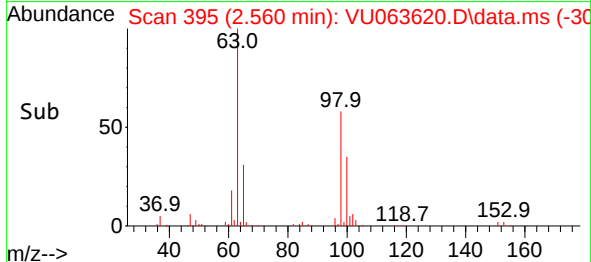
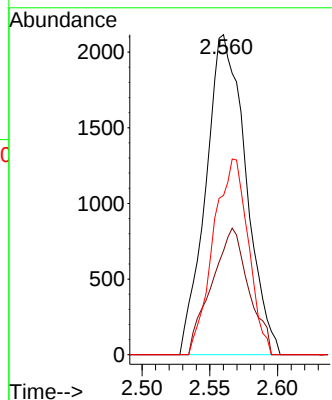
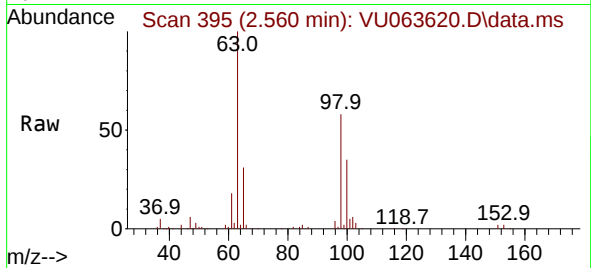




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.653 ug/L
 RT: 2.560 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

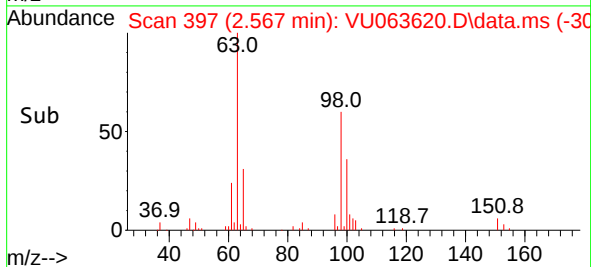
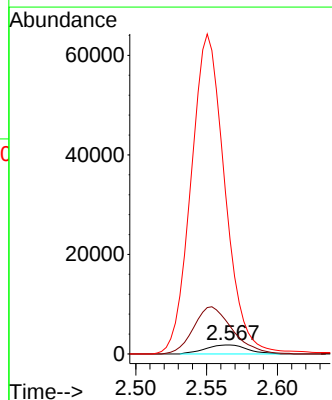
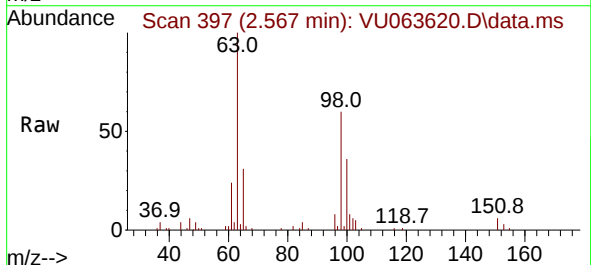
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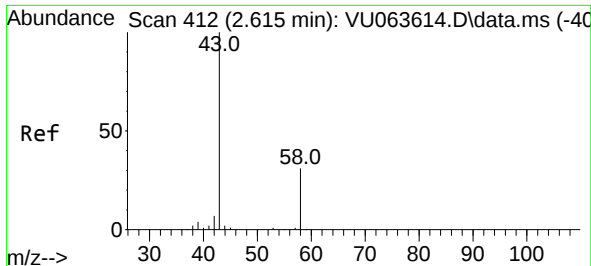
Tgt Ion:101 Resp: 4344
 Ion Ratio Lower Upper
 101 100
 85 36.7 36.8 55.2#
 151 53.2 58.0 87.0#



#12
 1,1-Dichloroethene
 Concen: 2.559 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

Tgt Ion: 96 Resp: 3727
 Ion Ratio Lower Upper
 96 100
 61 305.8 121.4 225.4#
 63 1259.2 81.5 151.3#





#13

Acetone

Concen: 4.259 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

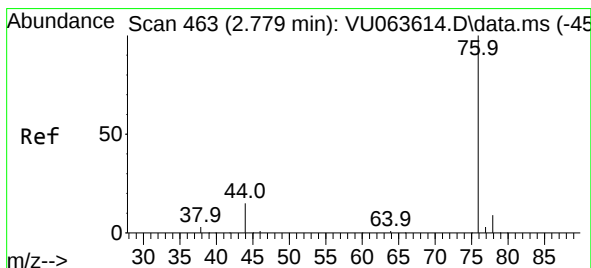
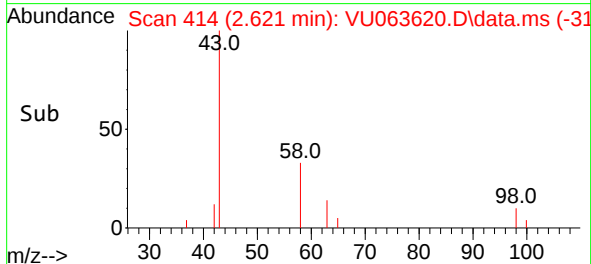
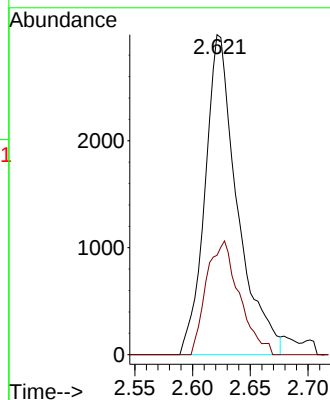
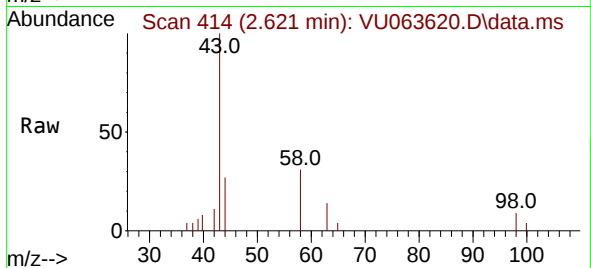
ClientSampleId :

Tgt Ion: 43 Resp: 5819

Ion Ratio Lower Upper

43 100

58 35.6 0.0 62.4



#14

Carbon disulfide

Concen: 2.146 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.003 min

Lab File: VU063620.D

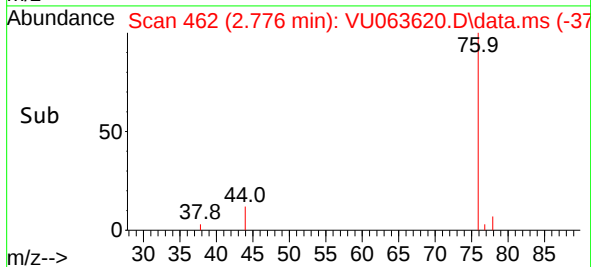
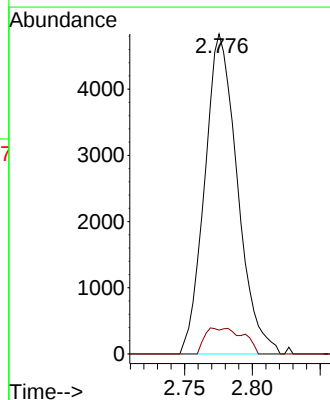
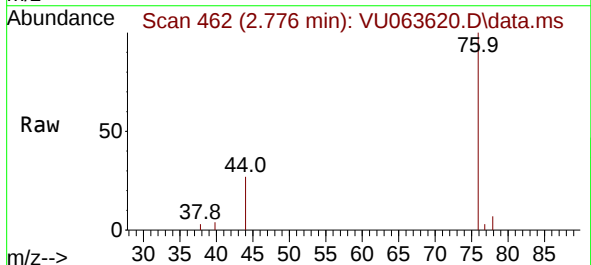
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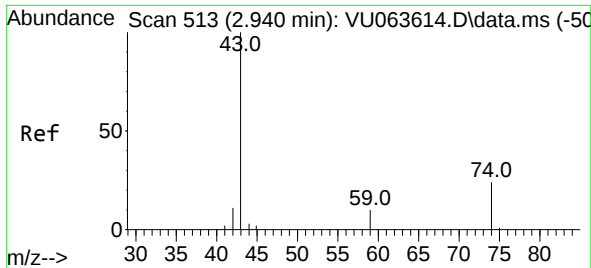
Tgt Ion: 76 Resp: 8109

Ion Ratio Lower Upper

76 100

78 7.5 7.4 11.2

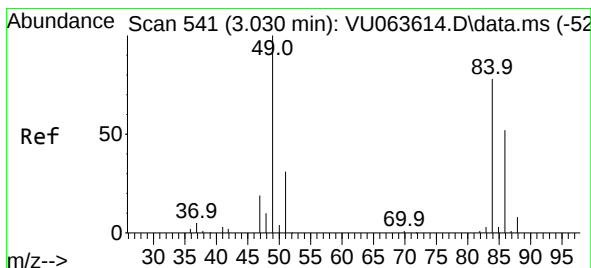
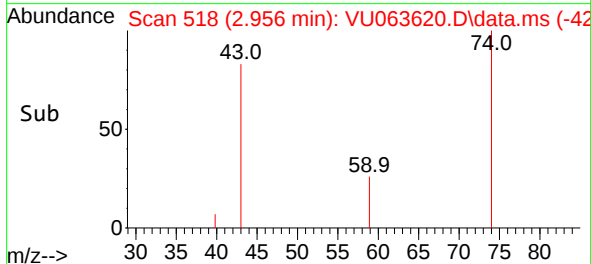
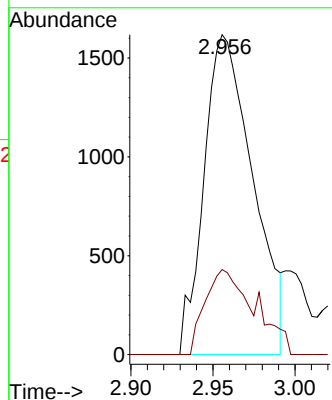
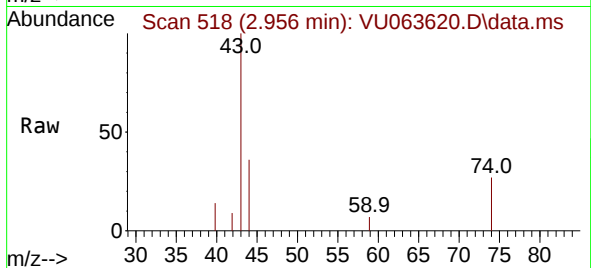




#15
Methyl Acetate
Concen: 1.655 ug/L
RT: 2.956 min Scan# 513
Delta R.T. 0.016 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

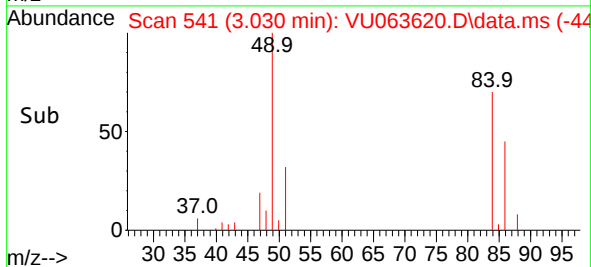
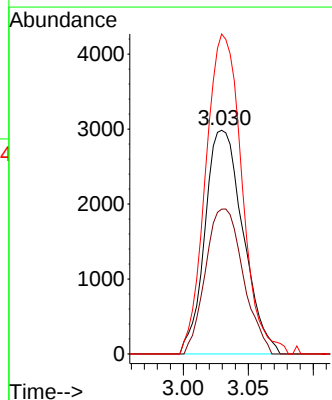
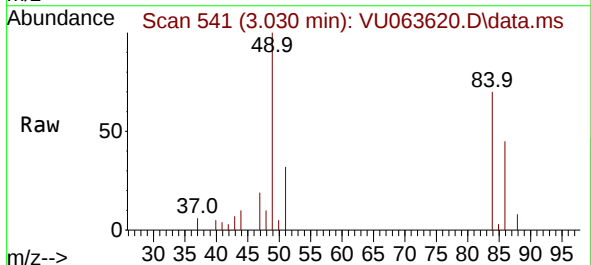
Instrument :
MSVOA_U
ClientSampleId :

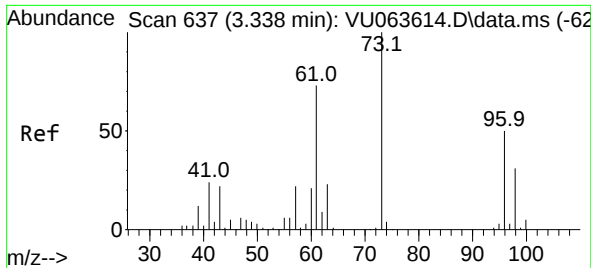
Tgt Ion: 43 Resp: 3355
Ion Ratio Lower Upper
43 100
74 21.2 18.0 27.0



#16
Methylene chloride
Concen: 3.305 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

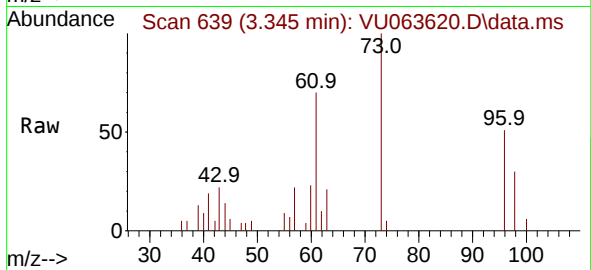
Tgt Ion: 84 Resp: 6086
Ion Ratio Lower Upper
84 100
86 64.7 47.2 87.6
49 143.1 90.2 167.4





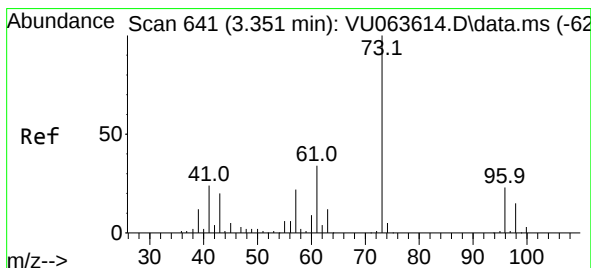
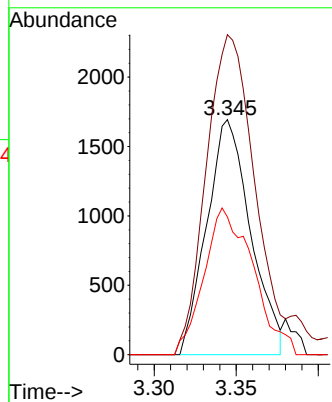
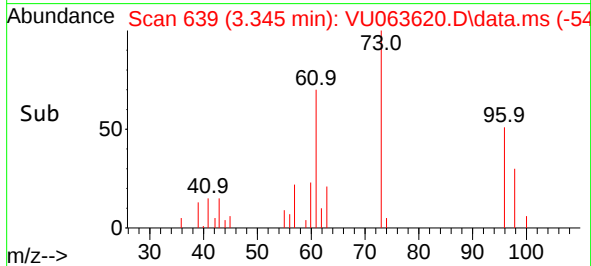
#17
trans-1,2-Dichloroethene
Concen: 2.005 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument :
MSVOA_U
ClientSampleId :

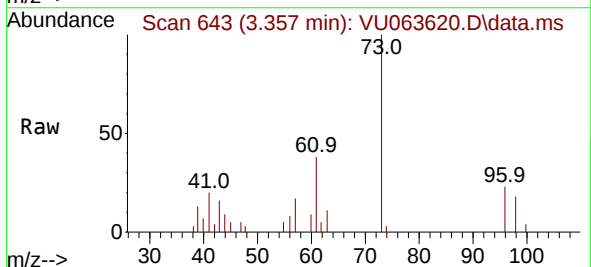


Tgt Ion: 96 Resp: 3145

Ion	Ratio	Lower	Upper
96	100		
61	136.1	102.2	189.8
98	58.6	43.7	81.1

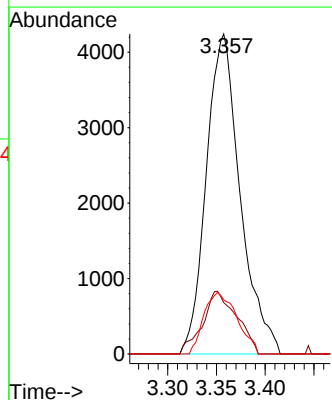
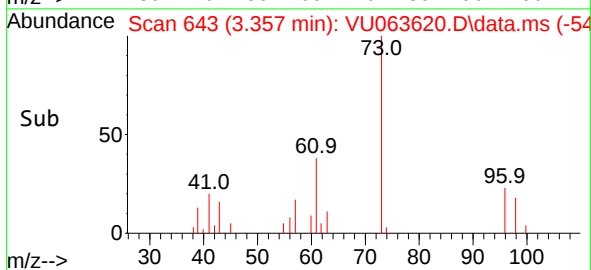


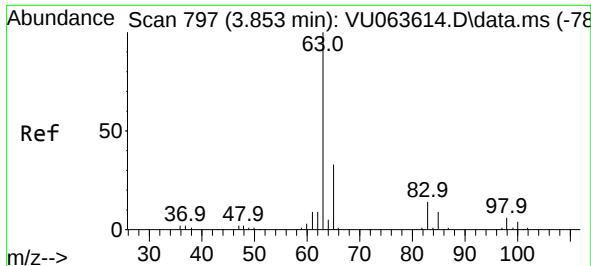
#18
Methyl tert-butyl Ether
Concen: 2.021 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32



Tgt Ion: 73 Resp: 10253

Ion	Ratio	Lower	Upper
73	100		
43	19.8	16.5	24.7
57	18.8	17.8	26.6





#19

1,1-Dichloroethane

Concen: 0.028 ug/L

RT: 3.917 min Scan# 81

Delta R.T. 0.064 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

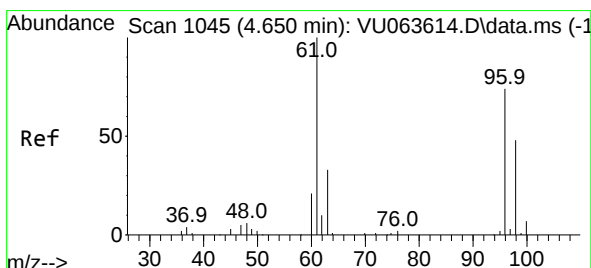
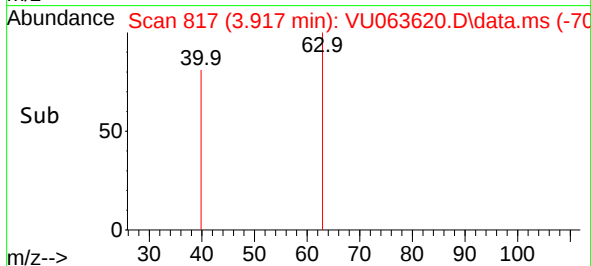
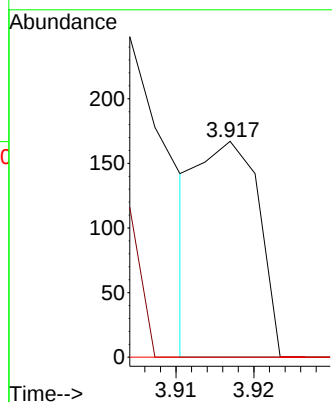
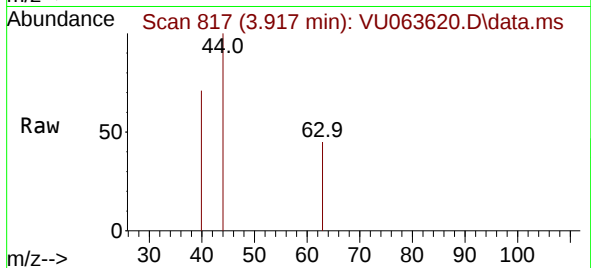
Tgt Ion: 63 Resp: 89

Ion Ratio Lower Upper

63 100

65 0.0 23.0 42.8#

83 0.0 9.7 17.9#



#20

cis-1,2-Dichloroethene

Concen: 2.032 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

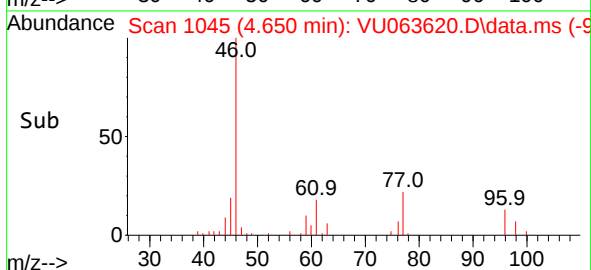
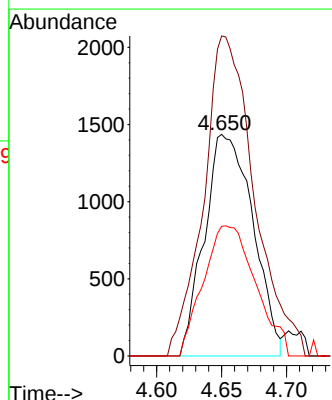
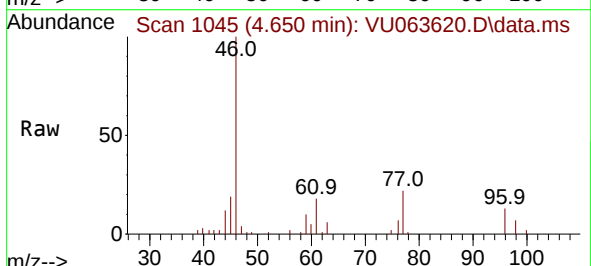
Tgt Ion: 96 Resp: 3732

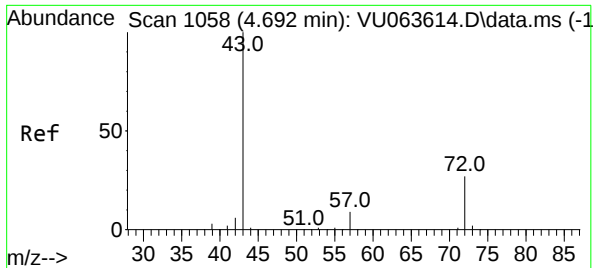
Ion Ratio Lower Upper

96 100

61 144.4 95.5 177.3

98 58.5 46.1 85.7

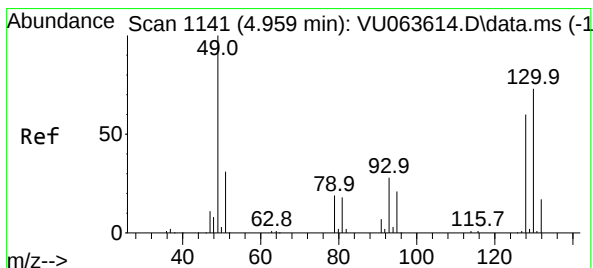
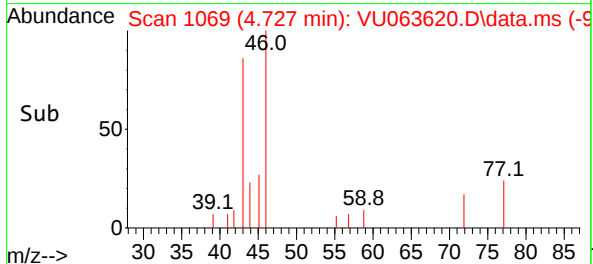
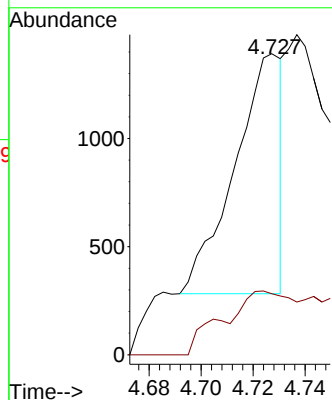
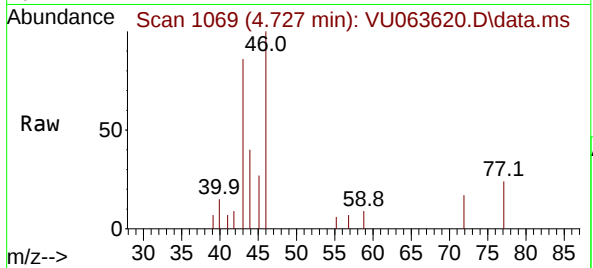




#22
2-Butanone
Concen: 0.885 ug/L
RT: 4.727 min Scan# 1069
Delta R.T. 0.035 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

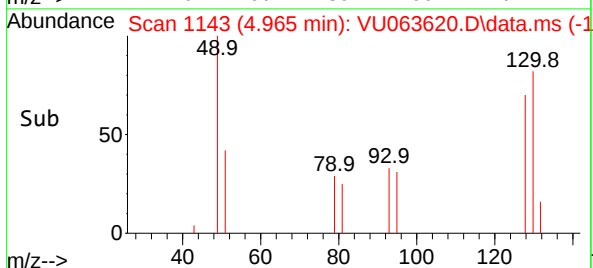
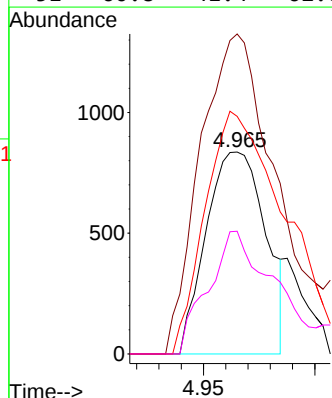
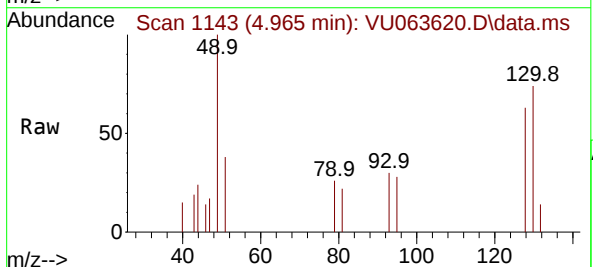
Instrument :
MSVOA_U
ClientSampleId :

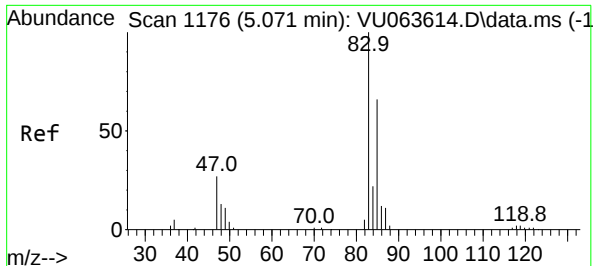
Tgt Ion: 43 Resp: 1398
Ion Ratio Lower Upper
43 100
72 15.8 12.7 38.1



#23
Bromochloromethane
Concen: 1.612 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion:128 Resp: 1551
Ion Ratio Lower Upper
128 100
49 158.5 116.6 216.5
130 117.7 85.6 159.0
51 60.8 41.4 62.0

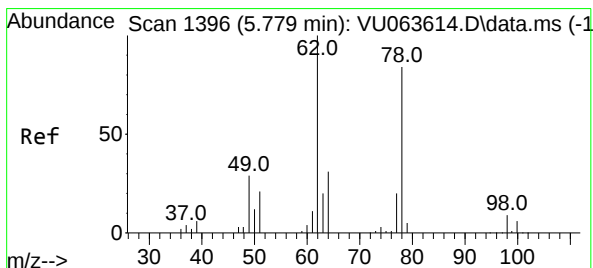
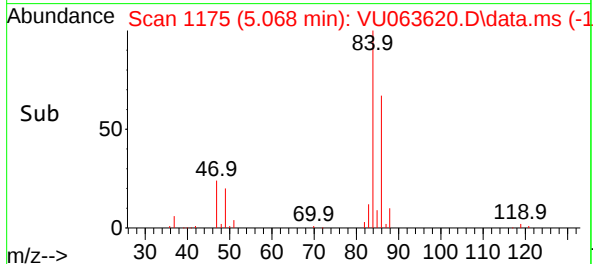
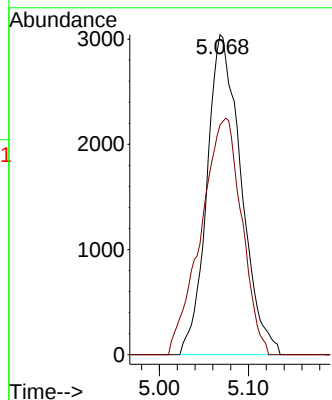
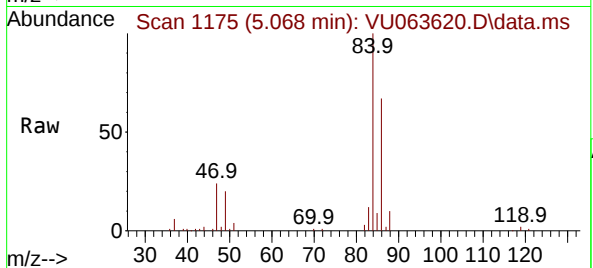




#25
Chloroform
Concen: 2.394 ug/L
RT: 5.068 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

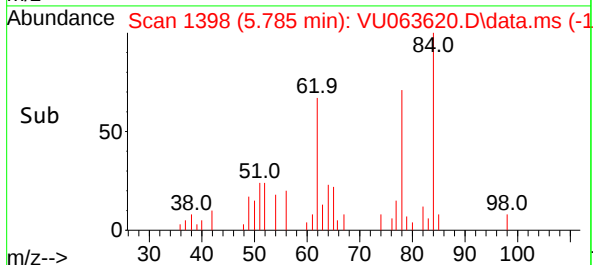
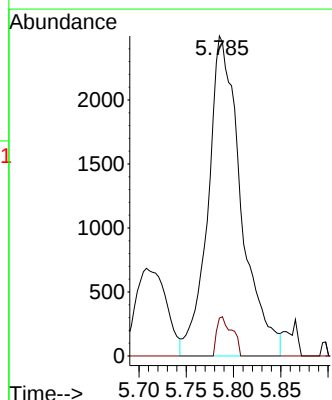
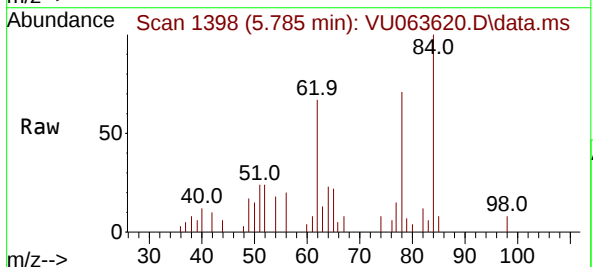
Instrument :
MSVOA_U
ClientSampleId :

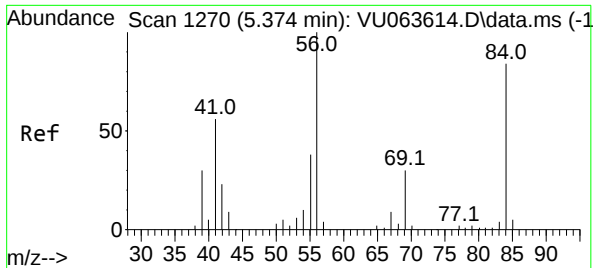
Tgt Ion: 83 Resp: 8116
Ion Ratio Lower Upper
83 100
85 71.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 2.165 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion: 62 Resp: 6065
Ion Ratio Lower Upper
62 100
98 11.8 7.1 10.7#





#29

Cyclohexane

Concen: 2.117 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

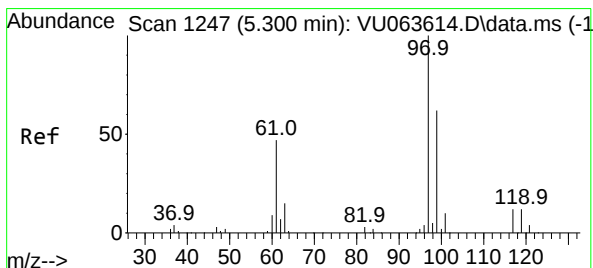
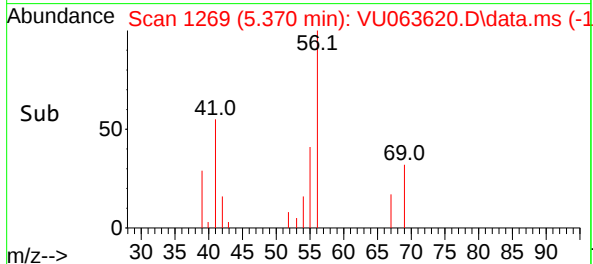
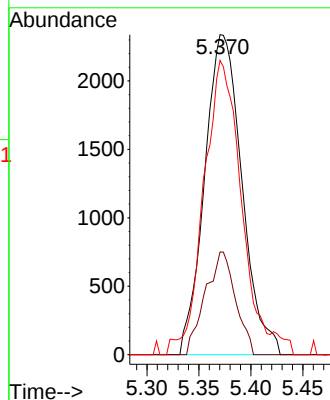
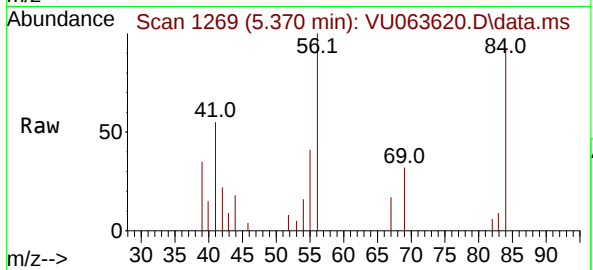
Tgt Ion: 56 Resp: 5839

Ion Ratio Lower Upper

56 100

69 18.4 24.0 36.0#

84 85.2 65.7 98.5



#30

1,1,1-Trichloroethane

Concen: 1.871 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.006 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

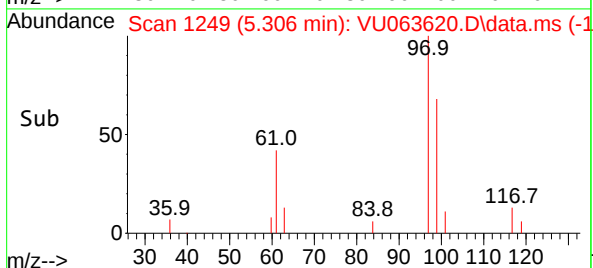
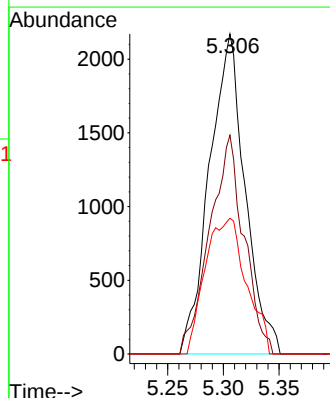
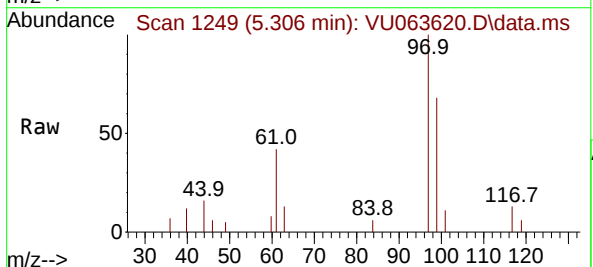
Tgt Ion: 97 Resp: 4828

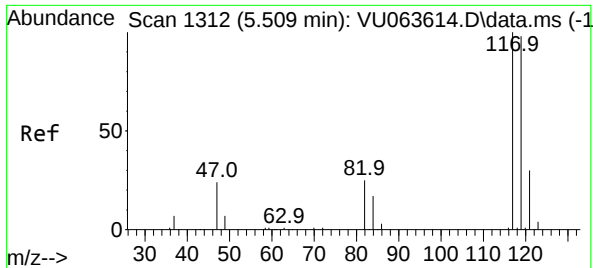
Ion Ratio Lower Upper

97 100

99 65.8 50.6 75.8

61 19.8 38.0 57.0#

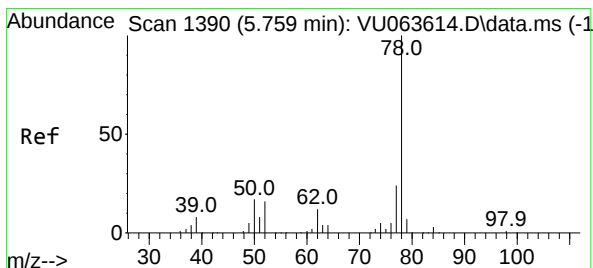
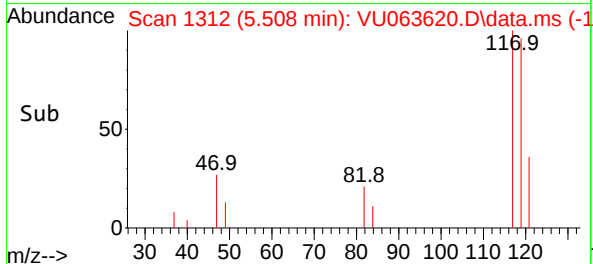
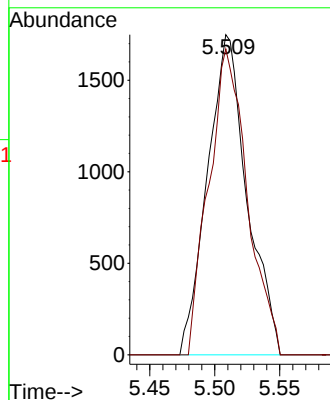
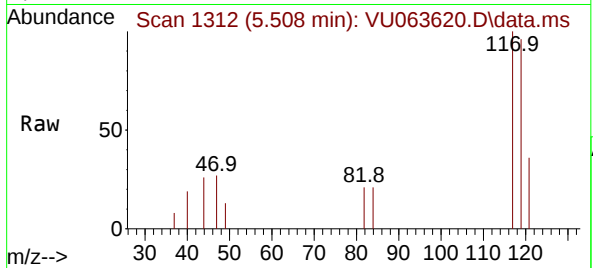




#31
Carbon tetrachloride
Concen: 1.813 ug/L
RT: 5.508 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

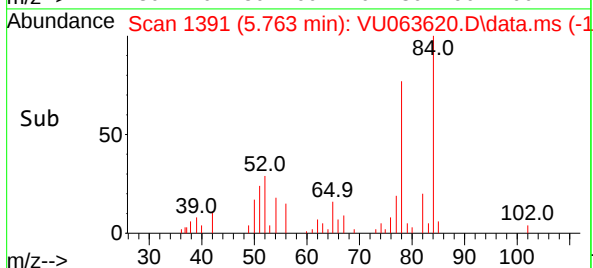
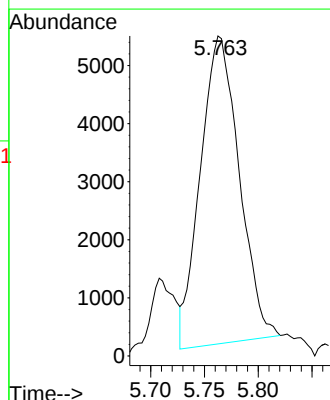
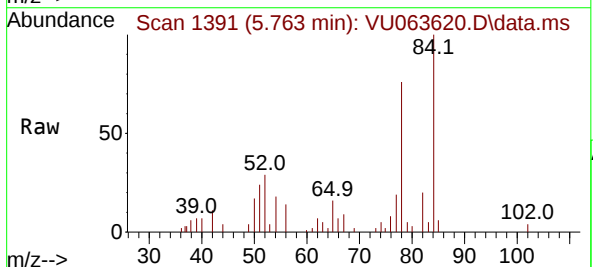
Instrument :
MSVOA_U
ClientSampleId :

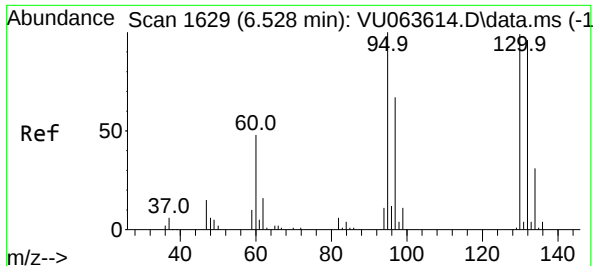
Tgt Ion:117 Resp: 3706
Ion Ratio Lower Upper
117 100
119 93.2 77.8 116.6



#33
Benzene
Concen: 1.952 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

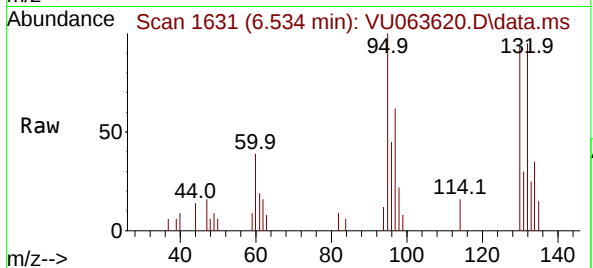
Tgt Ion: 78 Resp: 13301





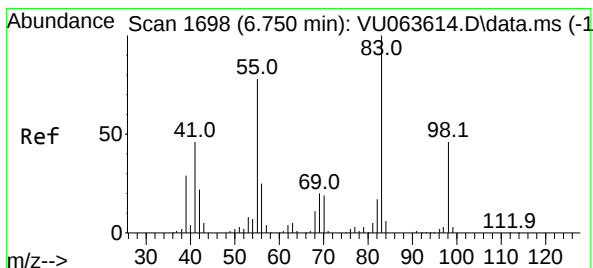
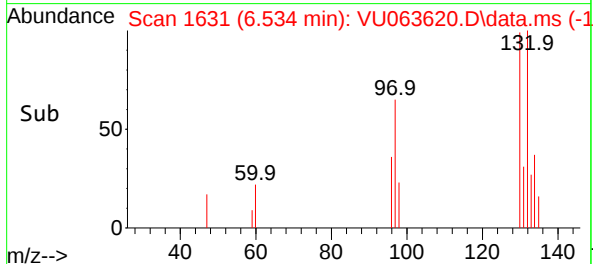
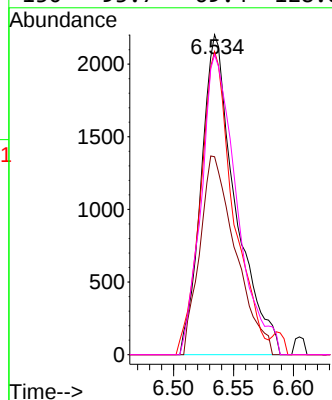
#34
Trichloroethene
Concen: 2.296 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 4382

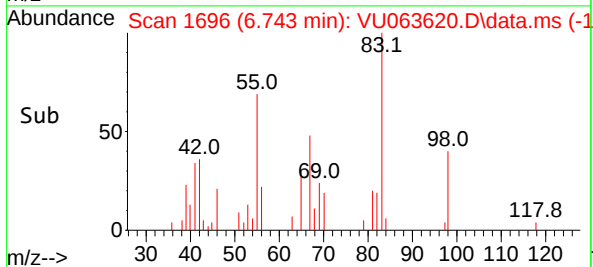
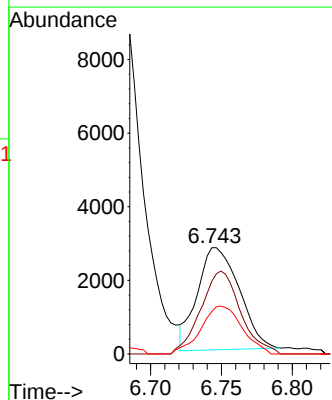
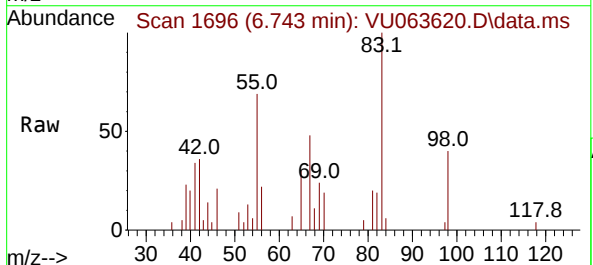
Ion	Ratio	Lower	Upper
95	100		
97	61.9	46.6	86.6
132	94.7	66.8	124.2
130	93.7	69.4	128.8

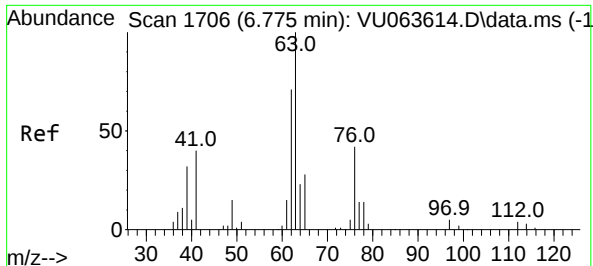


#35
Methylcyclohexane
Concen: 2.099 ug/L
RT: 6.743 min Scan# 1696
Delta R.T. -0.007 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion: 83 Resp: 5719

Ion	Ratio	Lower	Upper
83	100		
55	76.5	63.4	95.0
98	45.8	37.3	55.9

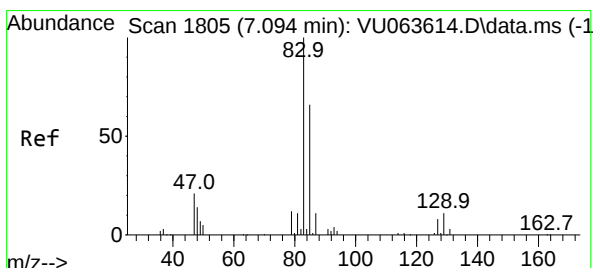
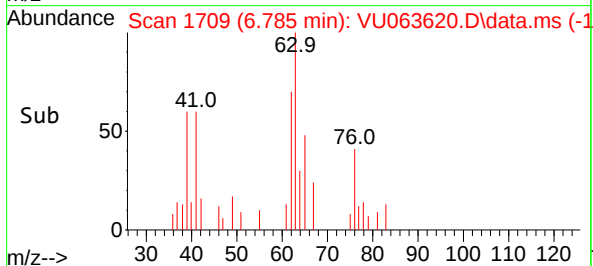
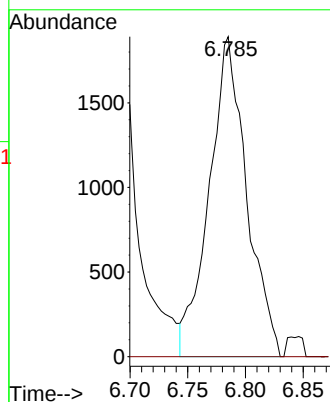
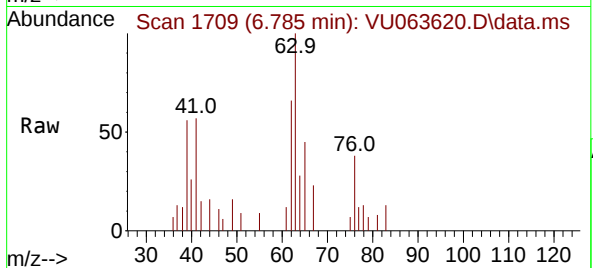




#37
1,2-Dichloropropane
Concen: 2.256 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

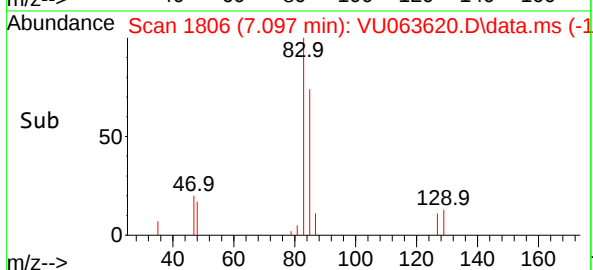
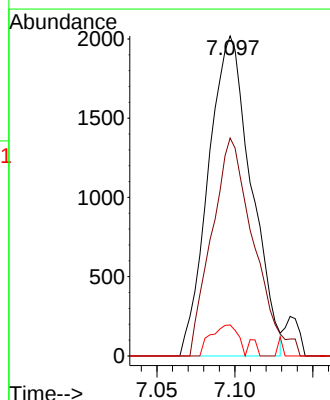
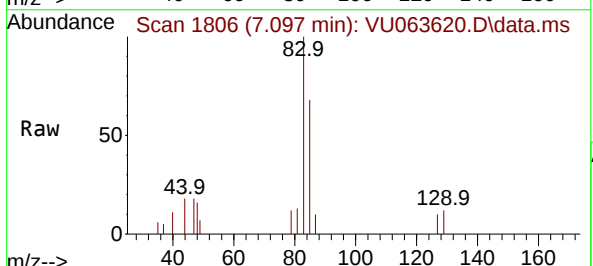
Instrument :
MSVOA_U
ClientSampleId :

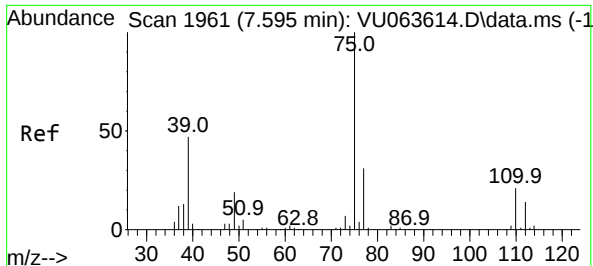
Tgt Ion: 63 Resp: 4258
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



#38
Bromodichloromethane
Concen: 1.727 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion: 83 Resp: 3864
Ion Ratio Lower Upper
83 100
85 68.1 45.9 85.3
127 9.7 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 2.003 ug/L

RT: 7.602 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

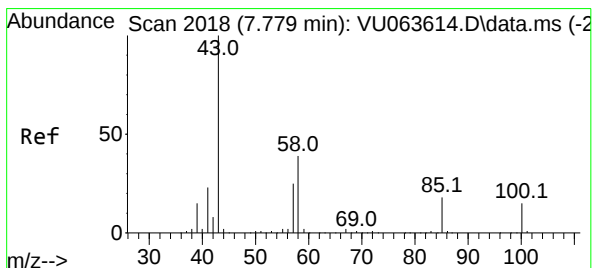
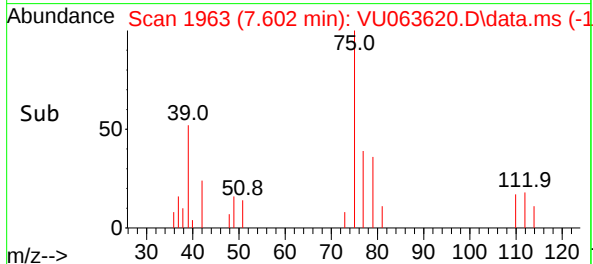
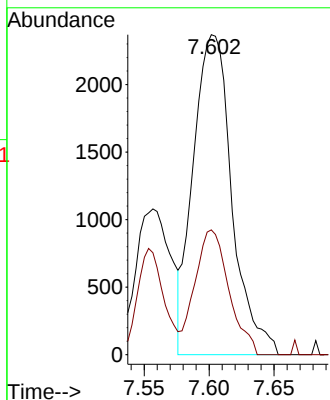
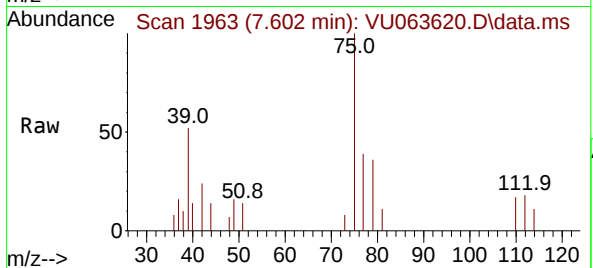
ClientSampleId :

Tgt Ion: 75 Resp: 4915

Ion Ratio Lower Upper

75 100

77 39.0 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 3.982 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.006 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

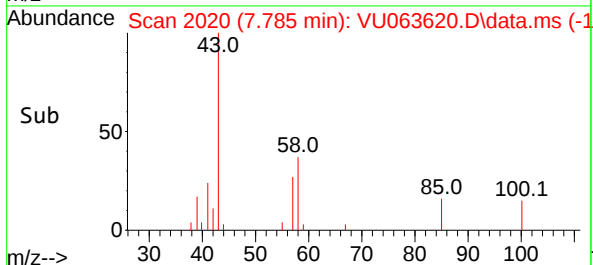
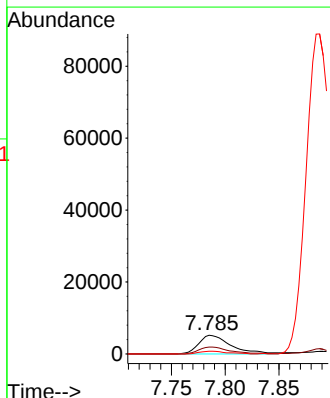
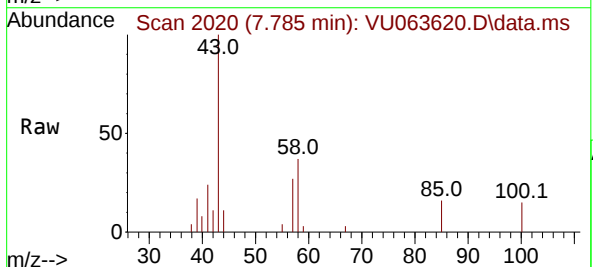
Tgt Ion: 43 Resp: 10827

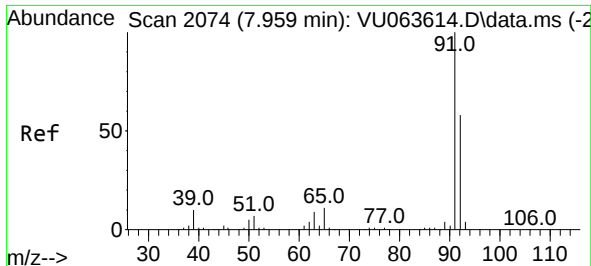
Ion Ratio Lower Upper

43 100

58 34.5 30.9 46.3

100 12.7 11.4 17.2





#42

Toluene

Concen: 2.022 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

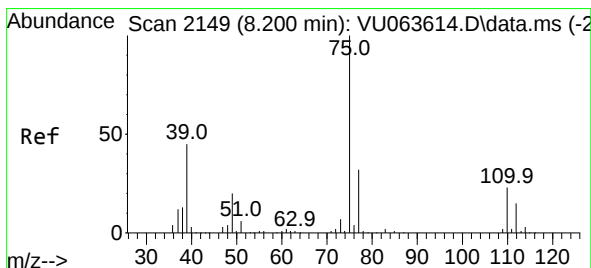
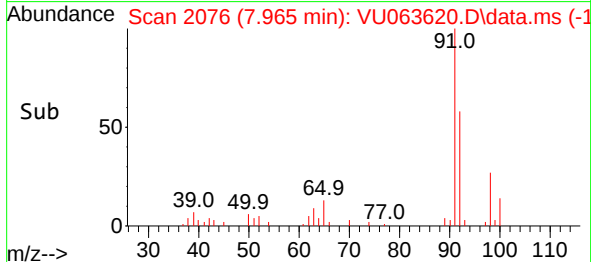
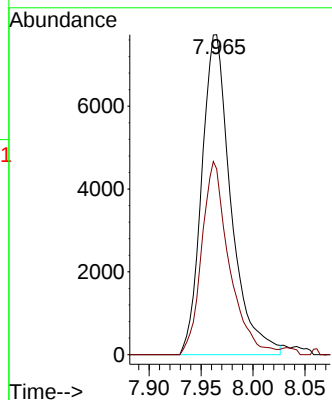
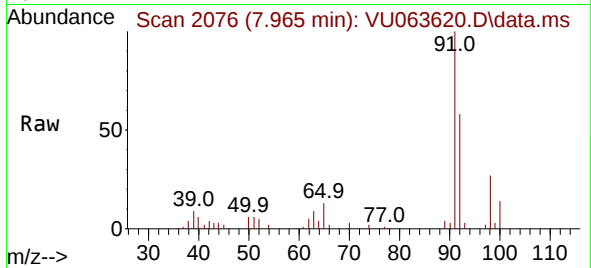
ClientSampleId :

Tgt Ion: 91 Resp: 15105

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 0.329 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063620.D

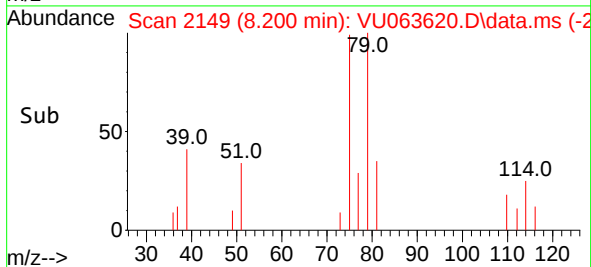
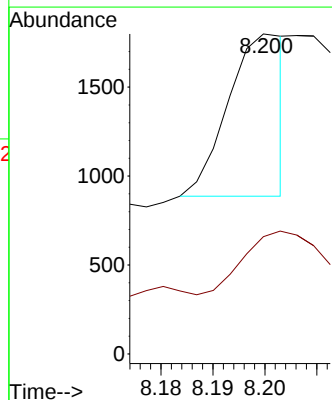
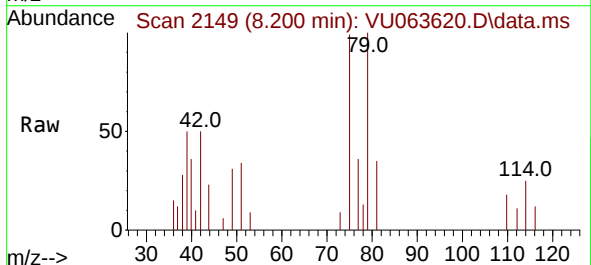
Acq: 22 Sep 2025 15:32

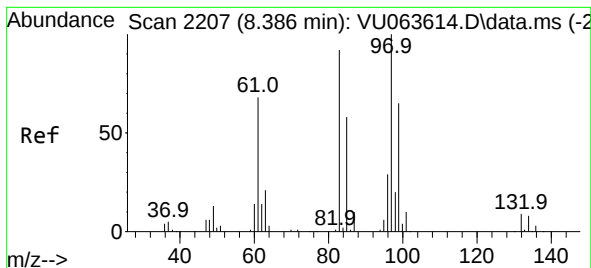
Tgt Ion: 75 Resp: 686

Ion Ratio Lower Upper

75 100

77 36.6 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 2.217 ug/L

RT: 8.389 min Scan# 2207

Delta R.T. 0.003 min

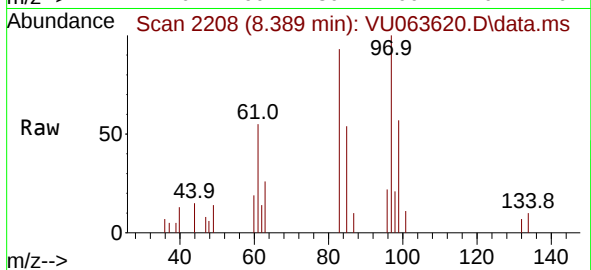
Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 4061

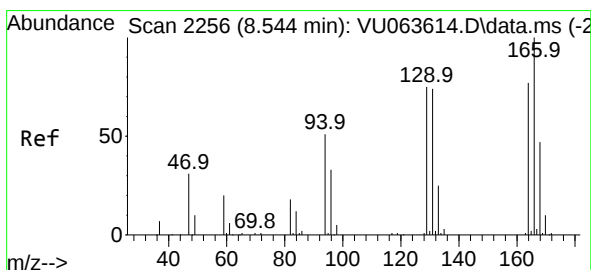
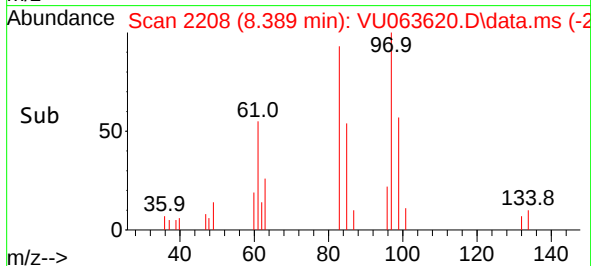
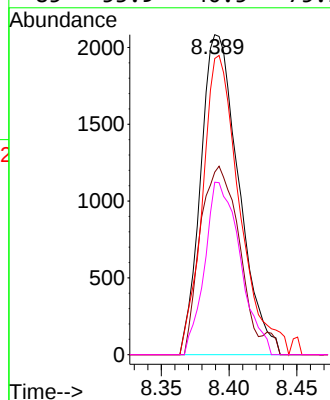
Ion Ratio Lower Upper

97 100

99 57.1 45.8 85.0

83 92.6 64.4 119.6

85 53.9 40.5 75.1



#46

Tetrachloroethene

Concen: 2.325 ug/L

RT: 8.541 min Scan# 2255

Delta R.T. -0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Tgt Ion: 164 Resp: 3232

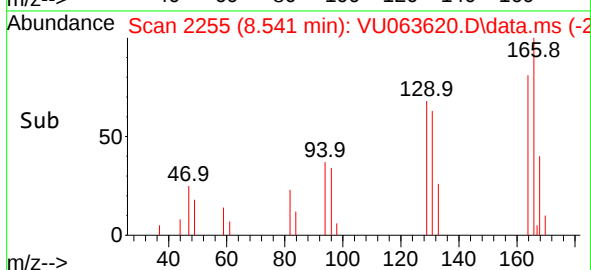
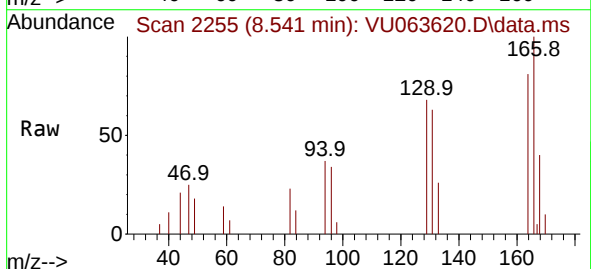
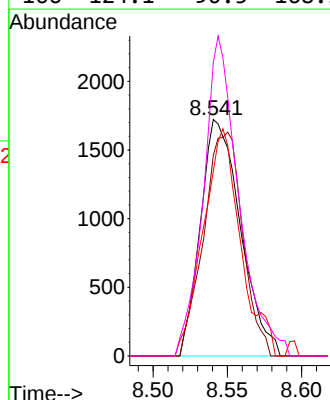
Ion Ratio Lower Upper

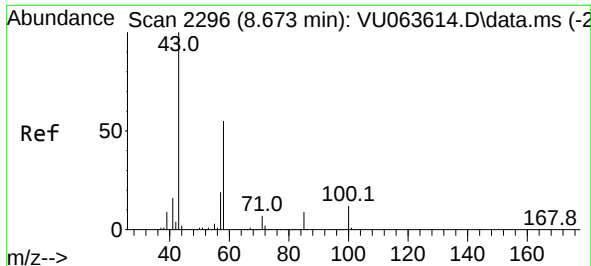
164 100

129 84.9 67.5 125.3

131 78.2 67.0 124.4

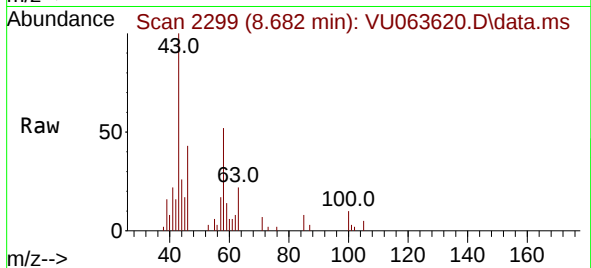
166 124.1 90.5 168.1



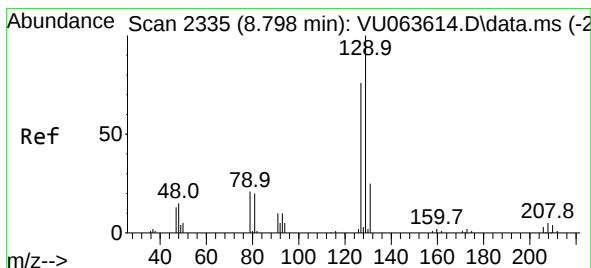
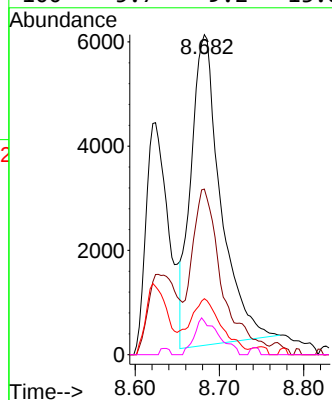
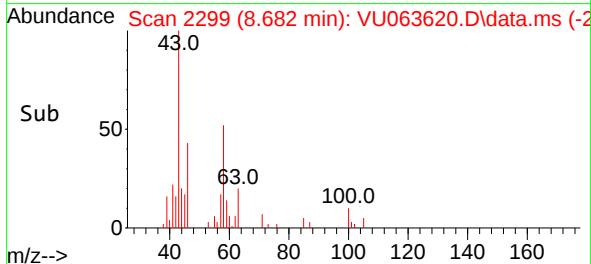


#48
2-Hexanone
Concen: 7.087 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument :
MSVOA_U
ClientSampleId :

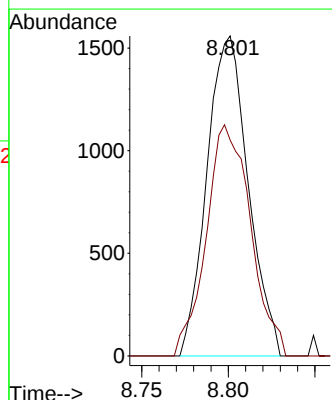
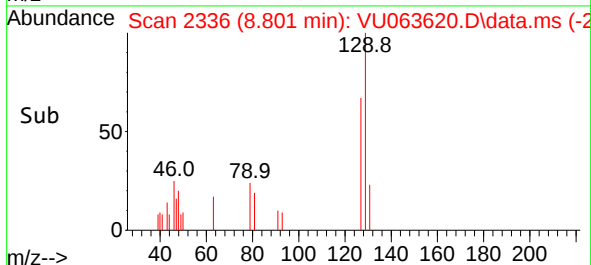
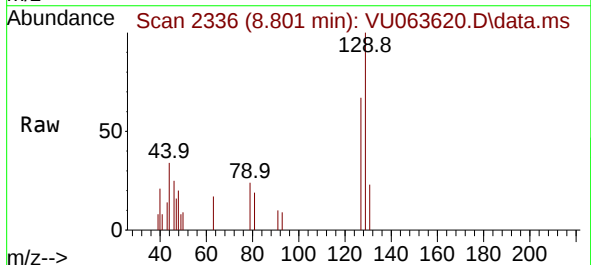


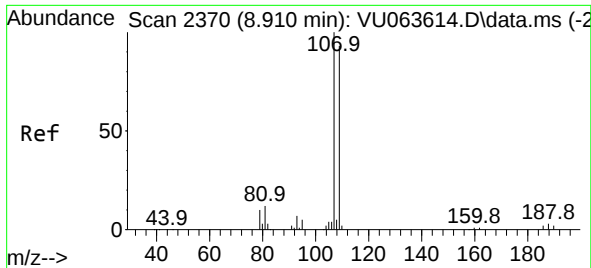
Tgt Ion: 43 Resp: 14579
Ion Ratio Lower Upper
43 100
58 37.2 41.7 62.5#
57 11.3 14.7 22.1#
100 5.7 9.2 13.8#



#49
Dibromochloromethane
Concen: 1.578 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

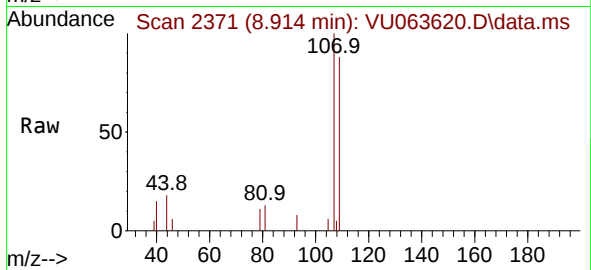
Tgt Ion: 129 Resp: 2588
Ion Ratio Lower Upper
129 100
127 67.5 53.1 98.7



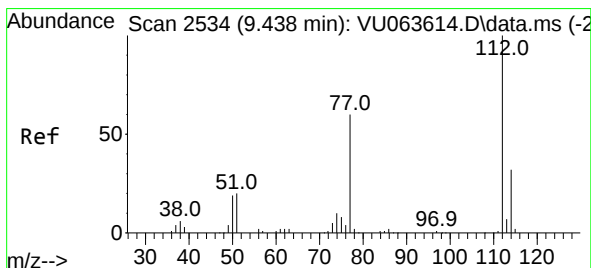
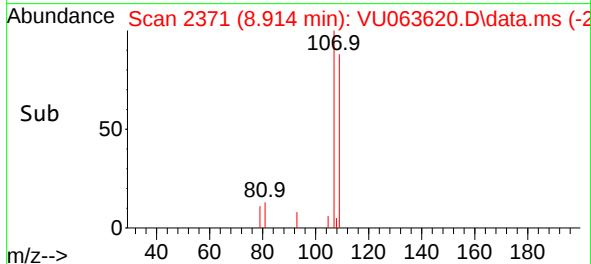
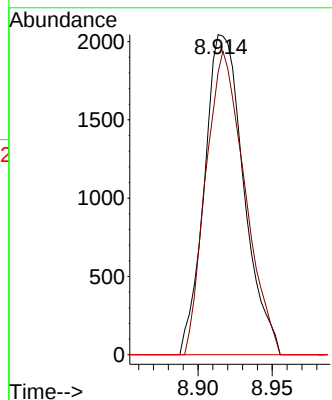


#50
1,2-Dibromoethane
Concen: 1.981 ug/L
RT: 8.914 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Instrument :
MSVOA_U
ClientSampleId :

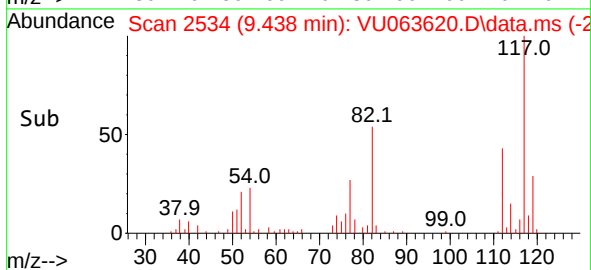
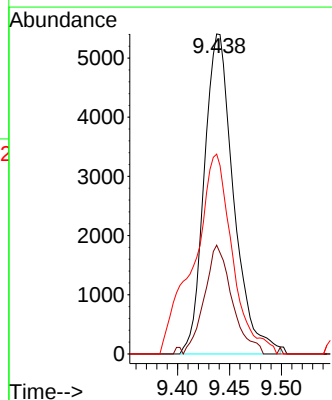
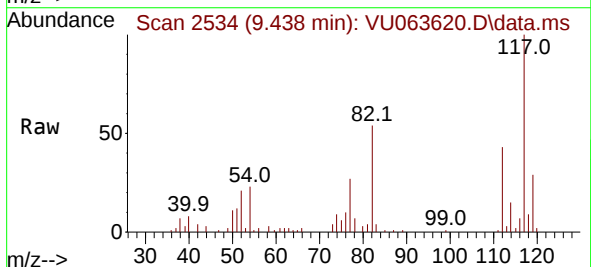


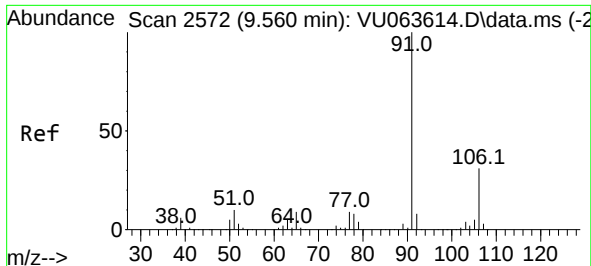
Tgt Ion:107 Resp: 3759
Ion Ratio Lower Upper
107 100
109 88.3 65.0 120.6
188 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 2.152 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion:112 Resp: 10640
Ion Ratio Lower Upper
112 100
114 34.0 22.4 41.6
77 62.4 48.2 72.2

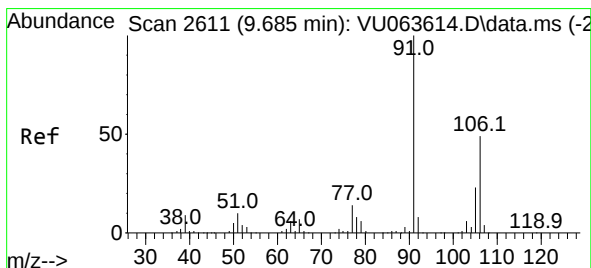
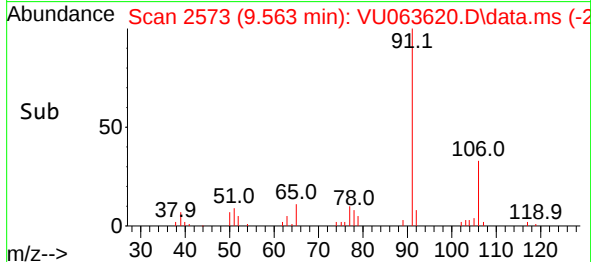
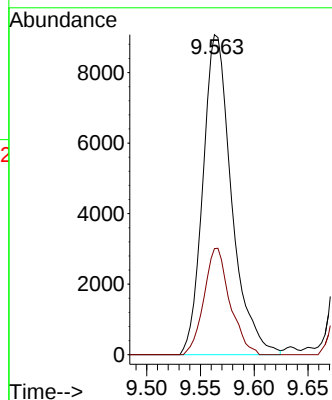
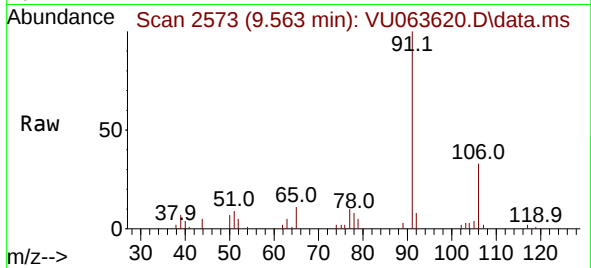




#52
Ethylbenzene
Concen: 2.038 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

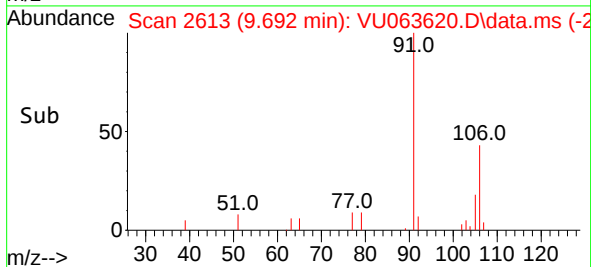
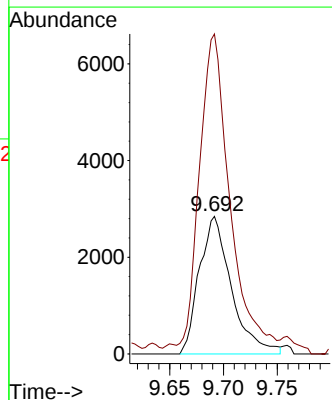
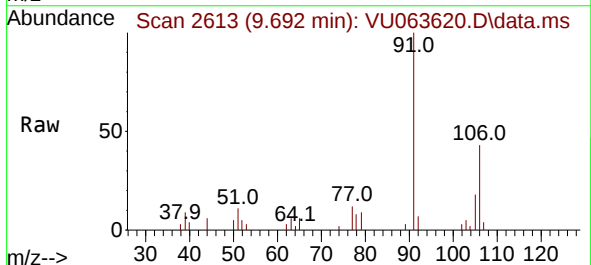
Instrument :
MSVOA_U
ClientSampleId :

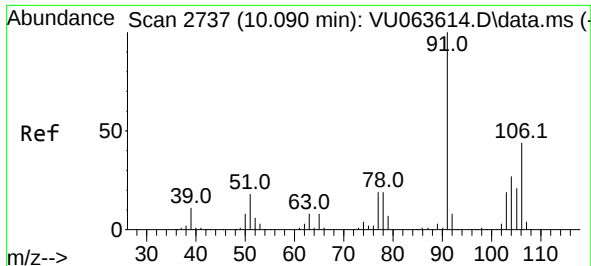
Tgt Ion: 91 Resp: 16836
Ion Ratio Lower Upper
91 100
106 33.2 21.5 39.9



#53
m,p-Xylene
Concen: 1.919 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion:106 Resp: 5915
Ion Ratio Lower Upper
106 100
91 211.3 144.1 267.7

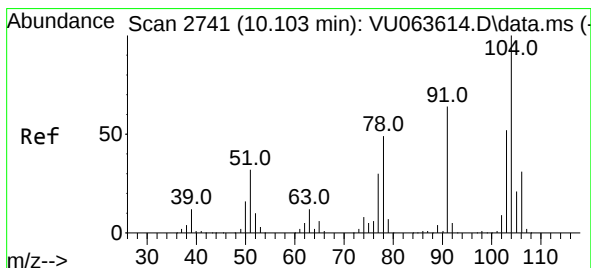
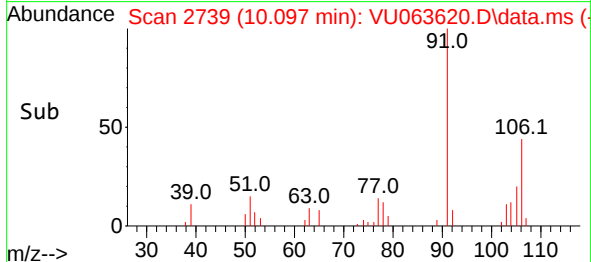
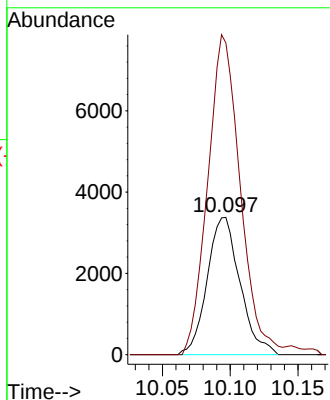
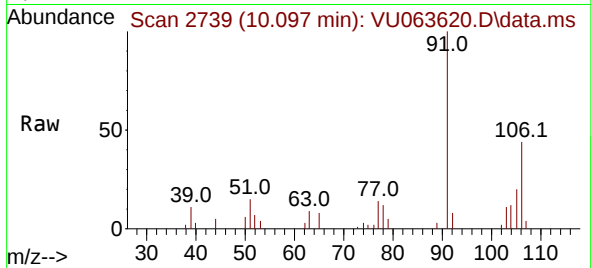




#54
o-Xylene
Concen: 1.853 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

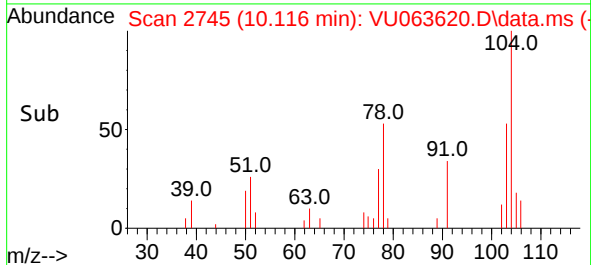
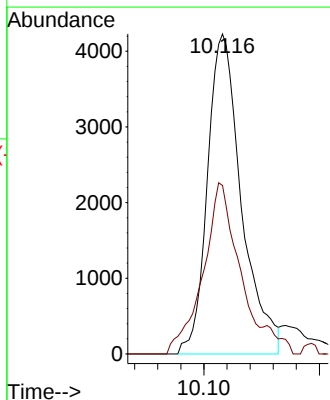
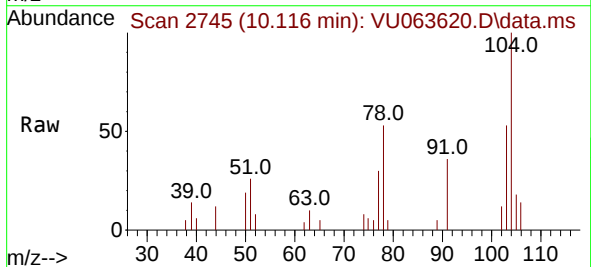
Instrument :
MSVOA_U
ClientSampleId :

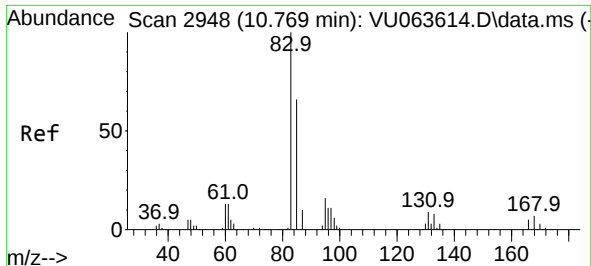
Tgt Ion:106 Resp: 5691
Ion Ratio Lower Upper
106 100
91 227.1 158.5 294.3



#55
Styrene
Concen: 1.721 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.013 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion:104 Resp: 8638
Ion Ratio Lower Upper
104 100
78 52.6 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.330 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.003 min

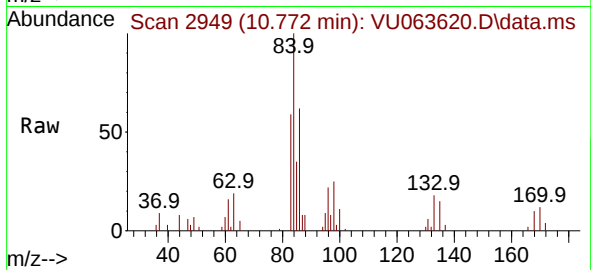
Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

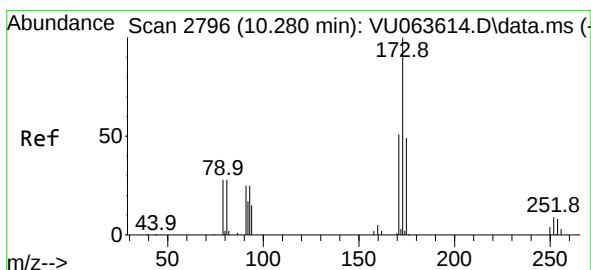
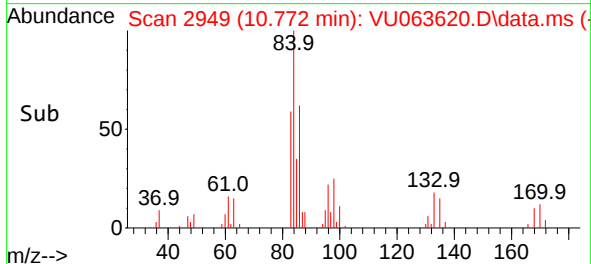
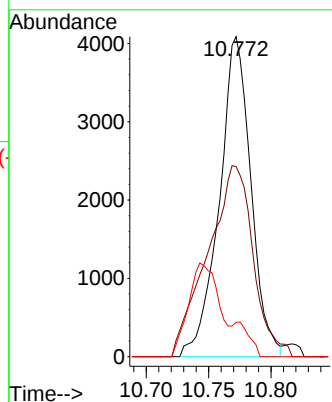
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	83	Resp:	7213
Ion	Ratio	Lower	Upper
83	100		
85	59.4	46.0	85.4
131	10.8	7.4	11.2



#59

Bromoform

Concen: 1.776 ug/L

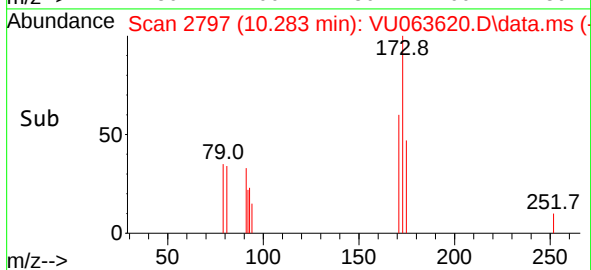
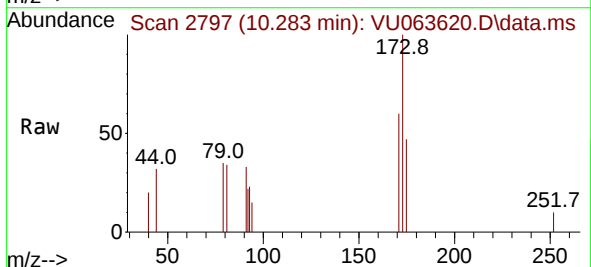
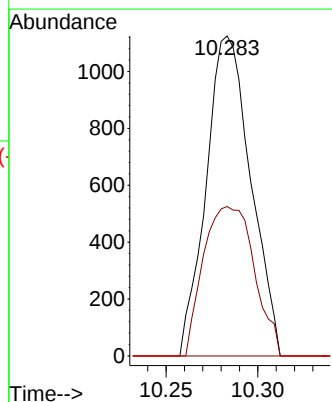
RT: 10.283 min Scan# 2797

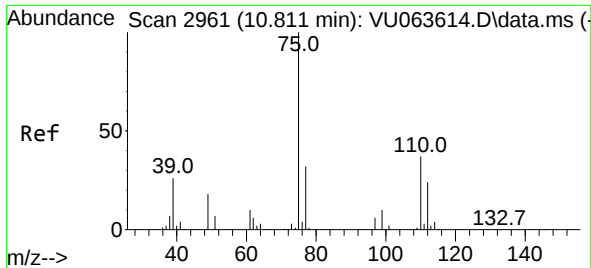
Delta R.T. 0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Tgt Ion:	173	Resp:	1902
Ion	Ratio	Lower	Upper
173	100		
175	53.2	39.3	58.9
254	0.0	6.2	9.4

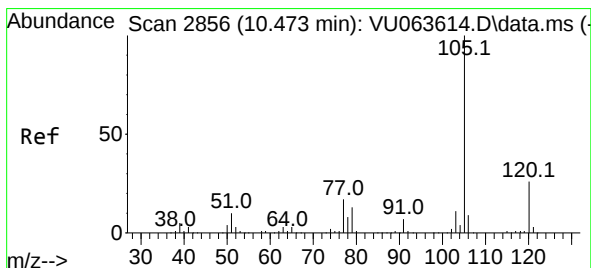
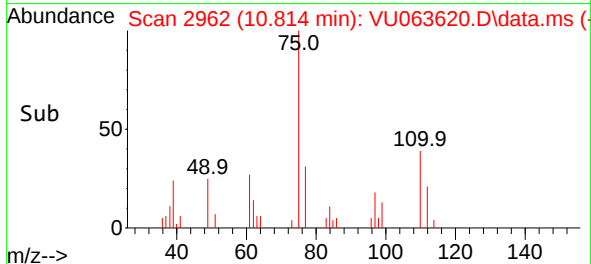
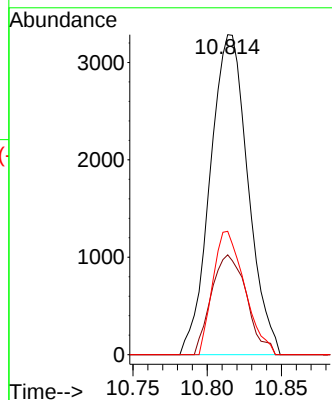
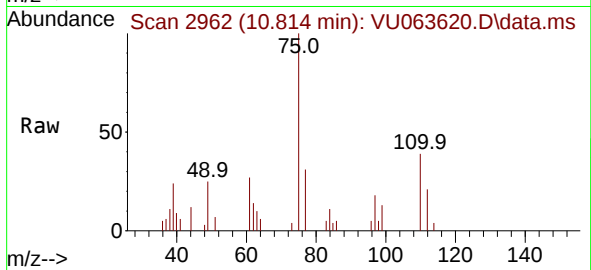




#60
1,2,3-Trichloropropane
Concen: 2.509 ug/L
RT: 10.814 min Scan# 2961
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

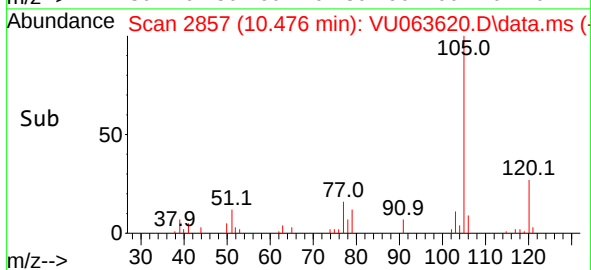
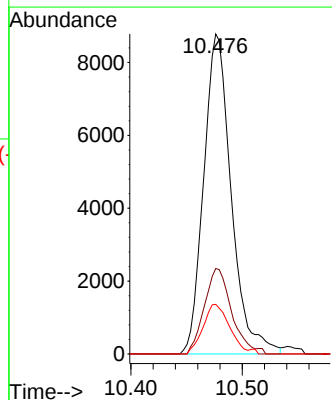
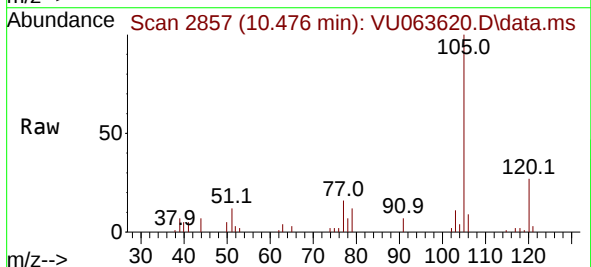
Instrument :
MSVOA_U
ClientSampleId :

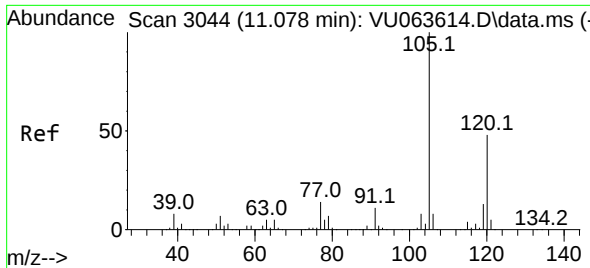
Tgt Ion: 75 Resp: 5816
Ion Ratio Lower Upper
75 100
77 28.8 25.7 38.5
110 32.4 29.2 43.8



#61
Isopropylbenzene
Concen: 2.013 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion: 105 Resp: 15094
Ion Ratio Lower Upper
105 100
120 26.1 21.2 31.8
77 14.8 13.4 20.0

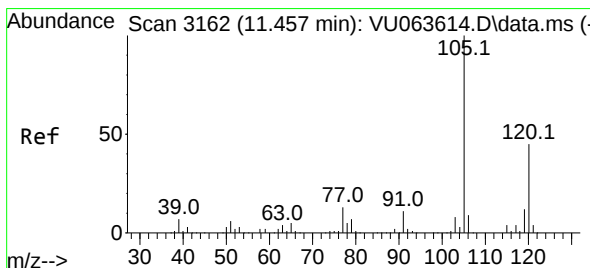
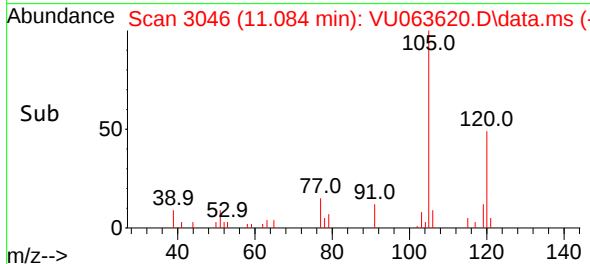
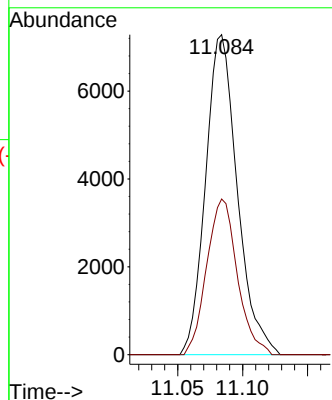
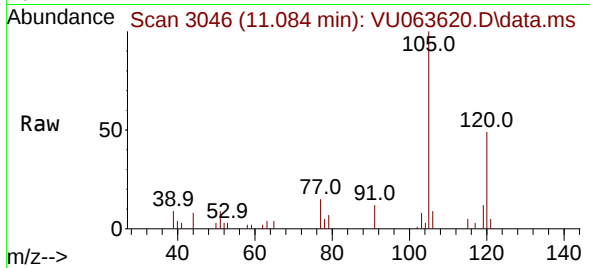




#62
 1,3,5-Trimethylbenzene
 Concen: 2.003 ug/L
 RT: 11.084 min Scan# 3044
 Delta R.T. 0.006 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

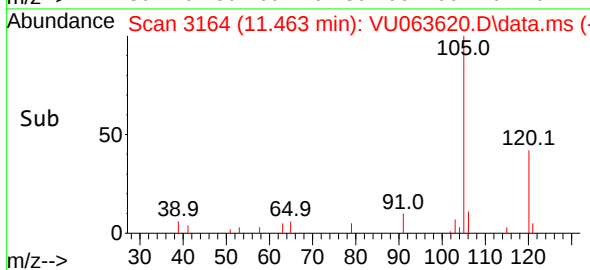
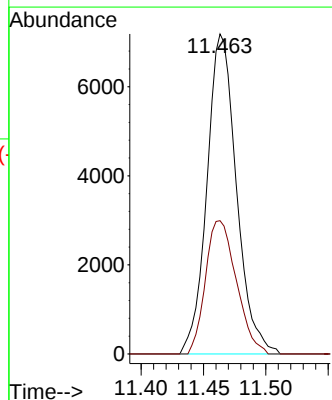
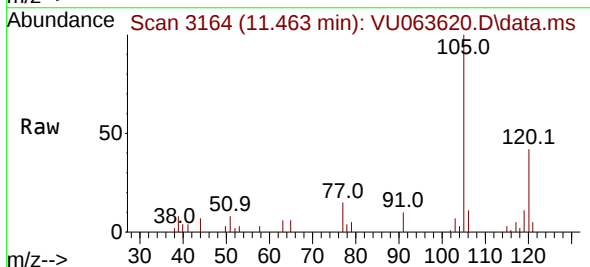
Instrument :
 MSVOA_U
 ClientSampleId :

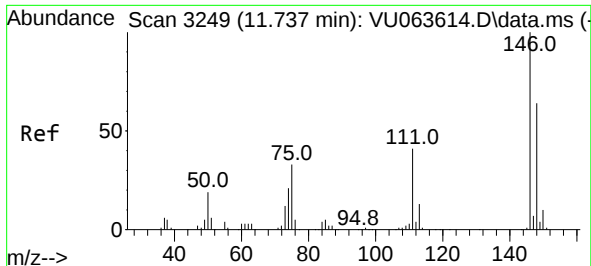
Tgt Ion:105 Resp: 12354
 Ion Ratio Lower Upper
 105 100
 120 46.9 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 1.978 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.006 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

Tgt Ion:105 Resp: 11827
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.6 53.4

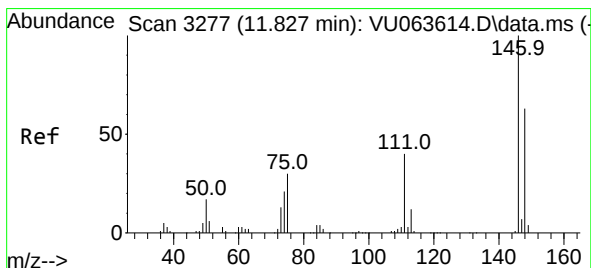
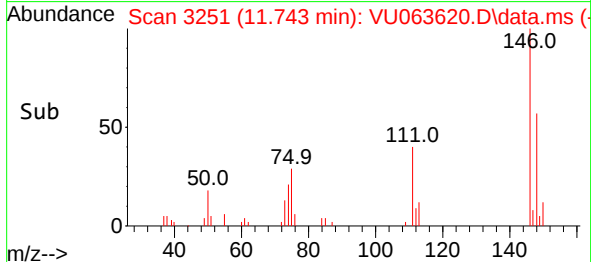
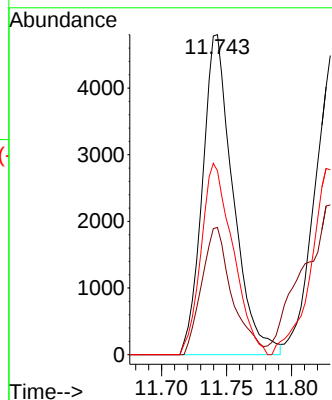
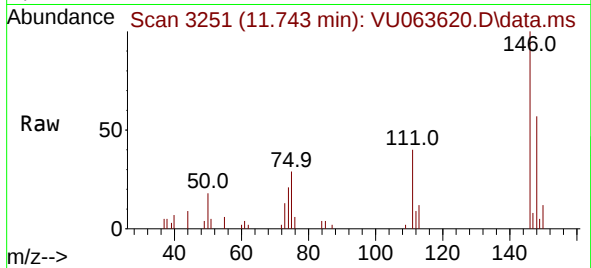




#64
1,3-Dichlorobenzene
Concen: 2.310 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

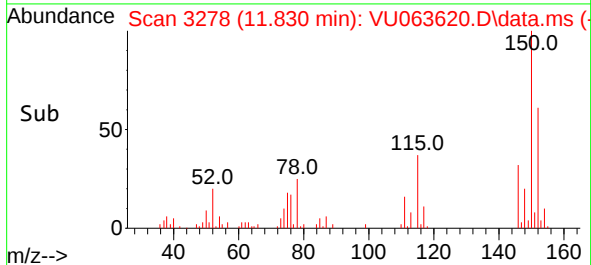
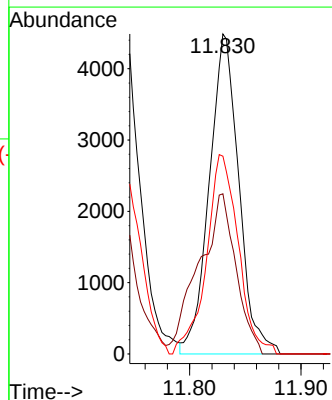
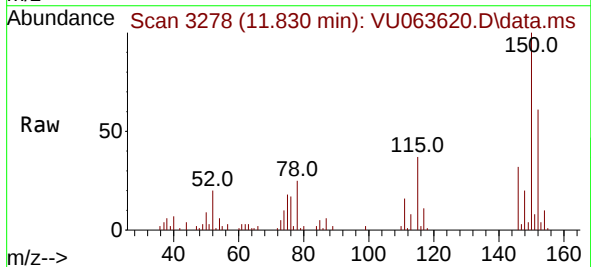
Instrument :
MSVOA_U
ClientSampleId :

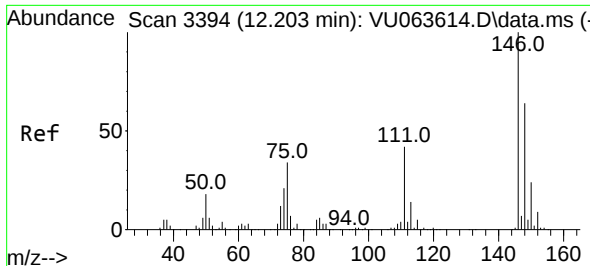
Tgt Ion:146 Resp: 7896
Ion Ratio Lower Upper
146 100
111 39.7 28.6 53.0
148 57.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 2.395 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

Tgt Ion:146 Resp: 8281
Ion Ratio Lower Upper
146 100
111 50.0 27.9 51.9
148 61.8 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 2.375 ug/L

RT: 12.206 min Scan# 3111

Delta R.T. 0.003 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Instrument :

MSVOA_U

ClientSampleId :

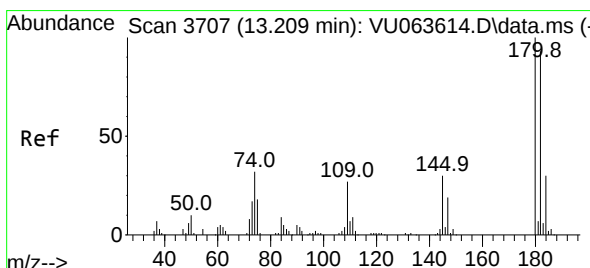
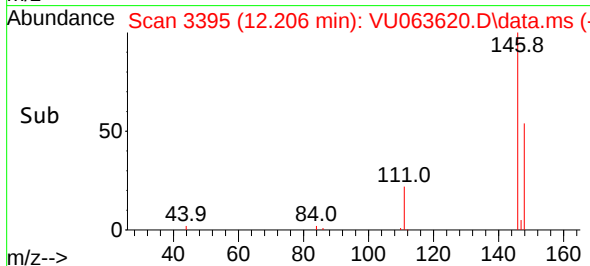
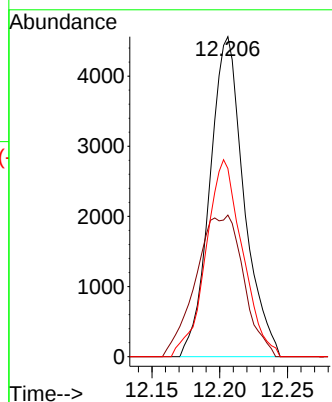
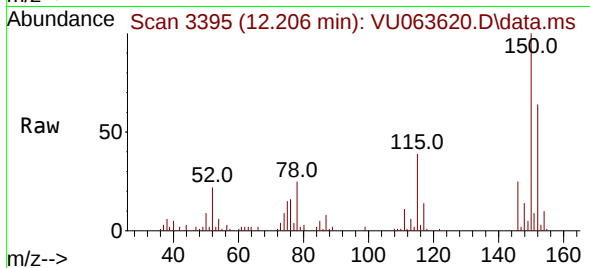
Tgt Ion:146 Resp: 7982

Ion Ratio Lower Upper

146 100

111 48.7 33.6 50.4

148 58.8 50.9 76.3



#69

1,3,5-Trichlorobenzene

Concen: 2.205 ug/L

RT: 13.222 min Scan# 3711

Delta R.T. 0.013 min

Lab File: VU063620.D

Acq: 22 Sep 2025 15:32

Tgt Ion:180 Resp: 5269

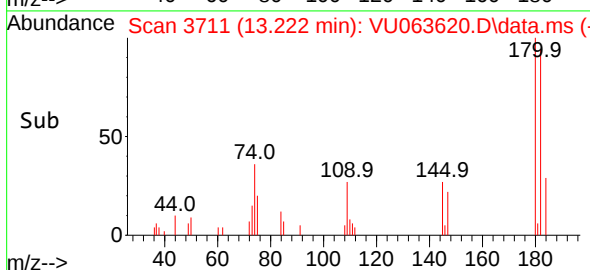
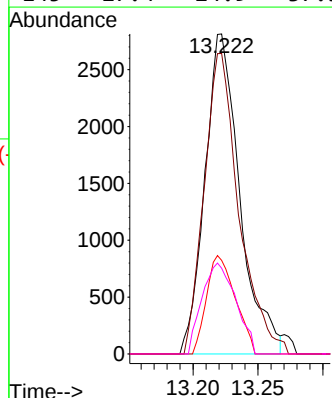
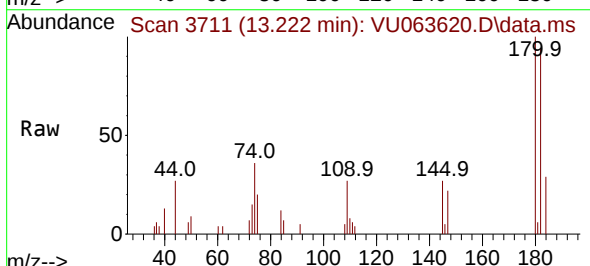
Ion Ratio Lower Upper

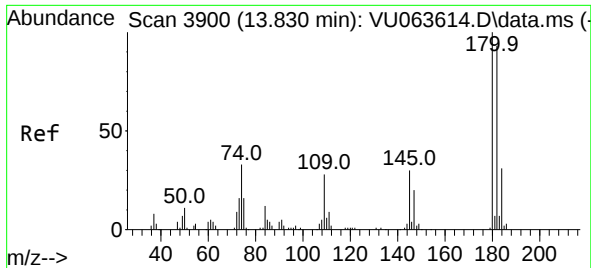
180 100

182 93.4 75.9 113.9

184 25.3 24.4 36.6

145 27.4 24.9 37.3

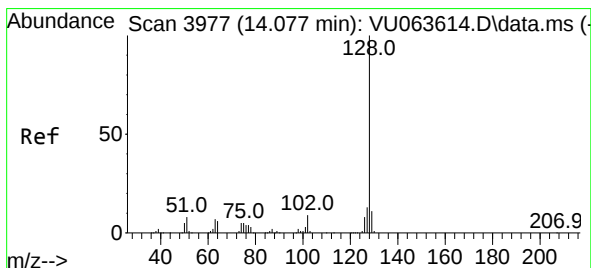
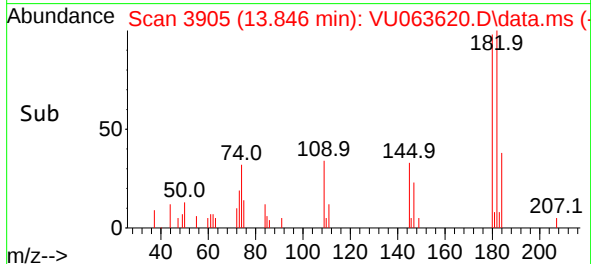
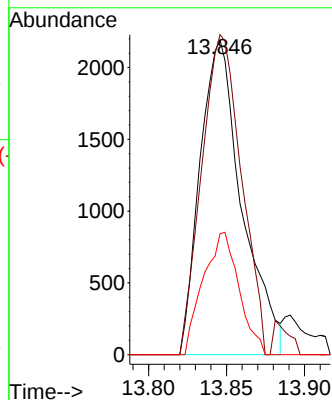
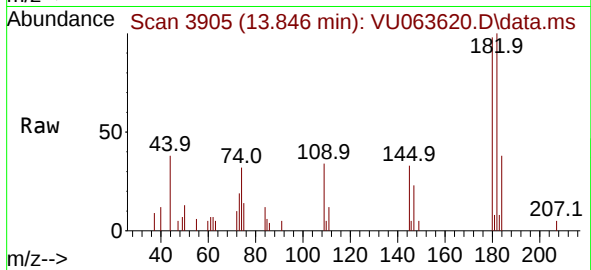




#70
1,2,4-trichlorobenzene
Concen: 2.075 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.016 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

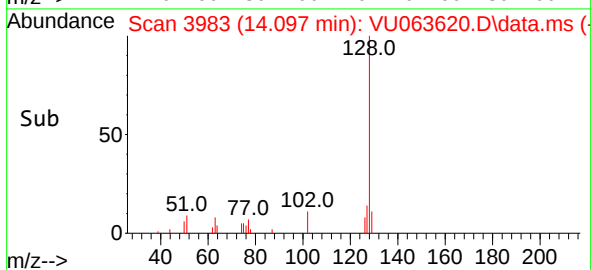
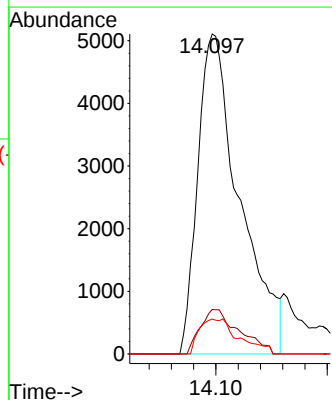
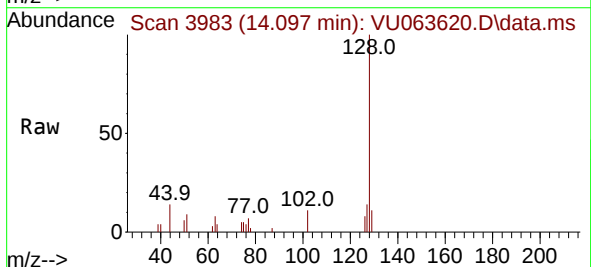
Instrument :
MSVOA_U
ClientSampleId :

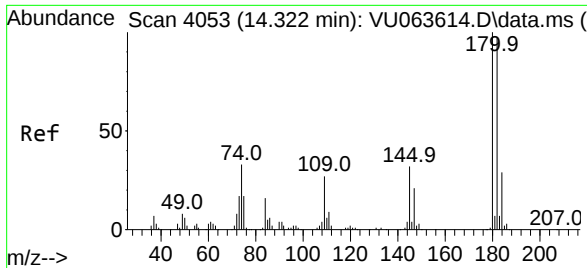
Tgt Ion:180 Resp: 4093
Ion Ratio Lower Upper
180 100
182 96.5 75.4 113.0
145 33.2 24.6 37.0



#71
Naphthalene
Concen: 2.487 ug/L
RT: 14.097 min Scan# 3983
Delta R.T. 0.019 min
Lab File: VU063620.D
Acq: 22 Sep 2025 15:32

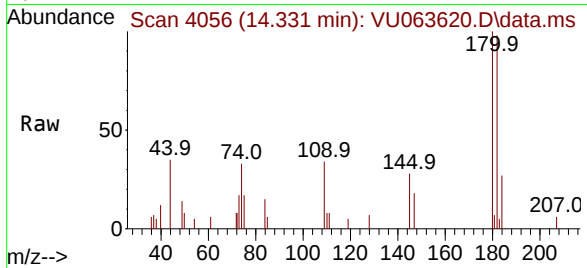
Tgt Ion:128 Resp: 13332
Ion Ratio Lower Upper
128 100
127 8.8 10.2 15.4#
129 5.3 8.6 13.0#





#72
 1,2,3-Trichlorobenzene
 Concen: 2.152 ug/L
 RT: 14.331 min Scan# 4070
 Delta R.T. 0.010 min
 Lab File: VU063620.D
 Acq: 22 Sep 2025 15:32

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	4070
Ion	Ratio	Lower	Upper
180	100		
182	91.6	77.4	116.2
145	30.1	25.9	38.9

