

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
 Data File : VU063597.D
 Acq On : 17 Sep 2025 09:30
 Operator : MD/SY
 Sample : VSTD0.521
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5021

Quant Time: Sep 18 05:57:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 05:57:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	133680	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	126045	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	60008	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	2978	0.433	ug/L	0.00
7) Chloroethane-d5	1.901	69	2943	0.445	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.550	65	1550	0.473	ug/L	0.00
20) 2-Butanone-d5	4.663	46	3487	1.763	ug/L	0.05
24) Chloroform-d	5.055	84	7376	0.449	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	3385	0.400	ug/L	0.00
32) Benzene-d6	5.721	84	13269	0.438	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	4196	0.428	ug/L	0.00
41) Toluene-d8	7.894	98	10908	0.402	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	967	0.361	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	4982	3.526	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	3291	0.417	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	4163	0.447	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	5450	0.512	ug/L	100
3) Chloromethane	1.512	50	6274	0.533	ug/L	96
5) Vinyl chloride	1.595	62	6330	0.502	ug/L	89
6) Bromomethane	1.840	94	4091	0.549	ug/L	95
8) Chloroethane	1.920	64	3826	0.492	ug/L	95
9) Trichlorofluoromethane	2.126	101	8022	0.486	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	4743	0.508	ug/L	96
12) 1,1-Dichloroethene	2.566	96	4520	0.523	ug/L	80
13) Acetone	2.627	43	9042	5.205	ug/L	93
14) Carbon disulfide	2.779	76	10887	0.477	ug/L	97
15) Methyl Acetate	2.965	43	1066	0.271	ug/L #	88
16) Methylene chloride	3.033	84	5599	0.553	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	10140	0.476	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	4247	0.475	ug/L	90
19) 1,1-Dichloroethane	3.856	63	8931	0.491	ug/L	98
21) 2-Butanone	4.730	43	8073	3.430	ug/L	82
22) cis-1,2-Dichloroethene	4.663	96	4808	0.473	ug/L	98
23) Bromochloromethane	4.968	128	1973	0.438	ug/L #	91
25) Chloroform	5.078	83	9122	0.489	ug/L	91
27) 1,2-Dichloroethane	5.791	62	6075	0.491	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	6983	0.483	ug/L	98
30) Cyclohexane	5.373	56	8332	0.489	ug/L	99
31) Carbon tetrachloride	5.512	117	4991	0.441	ug/L	98
33) Benzene	5.766	78	18220	0.463	ug/L	100
34) Trichloroethene	6.537	95	5385	0.498	ug/L	93
35) Methylcyclohexane	6.750	83	8244	0.500	ug/L	93
37) 1,2-Dichloropropane	6.785	63	5372	0.503	ug/L #	93
38) Bromodichloromethane	7.097	83	5472	0.479	ug/L #	97
39) cis-1,3-Dichloropropene	7.605	75	5005	0.414	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	27287	4.468	ug/L	98
42) Toluene	7.962	91	19743	0.467	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	3740	0.421	ug/L	95

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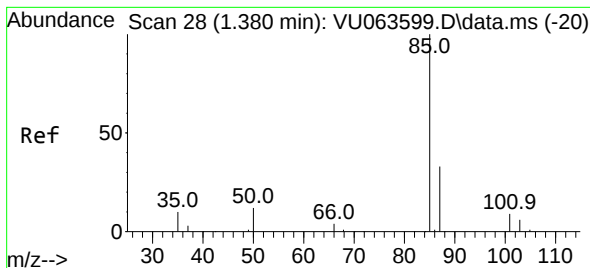
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5021

Quant Time: Sep 18 05:57:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 05:57:15 2025
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.393	97	3458	0.473	ug/L	86
47) Tetrachloroethene	8.547	164	4004	0.486	ug/L	95
48) 2-Hexanone	8.685	43	17151	4.131	ug/L	98
49) Dibromochloromethane	8.801	129	2827	0.423	ug/L	94
50) 1,2-Dibromoethane	8.917	107	2857	0.438	ug/L #	99
51) Chlorobenzene	9.441	112	13609	0.497	ug/L	98
52) Ethylbenzene	9.566	91	21760	0.468	ug/L	96
53) m,p-Xylene	9.692	106	7945	0.455	ug/L	97
54) o-Xylene	10.097	106	7411	0.439	ug/L	83
55) Styrene	10.116	104	12014	0.434	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	4089	0.469	ug/L	97
59) Bromoform	10.286	173	1601	0.493	ug/L #	85
60) Isopropylbenzene	10.479	105	21566	0.500	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	2850	0.479	ug/L	93
62) 1,3,5-Trimethylbenzene	11.084	105	16291	0.464	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	14946	0.446	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	9354	0.484	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	10485	0.537	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	9075	0.503	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.000	75	389	0.424	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.219	180	7479	0.517	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	5726	0.512	ug/L	96
71) Naphthalene	14.097	128	8272	0.495	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.325	180	4632	0.483	ug/L	96

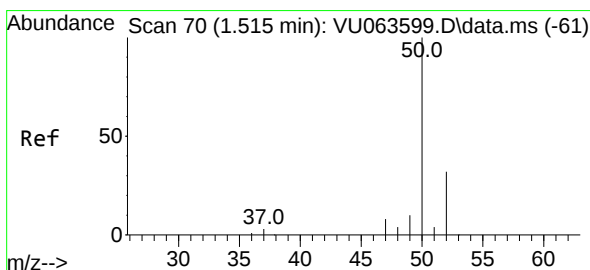
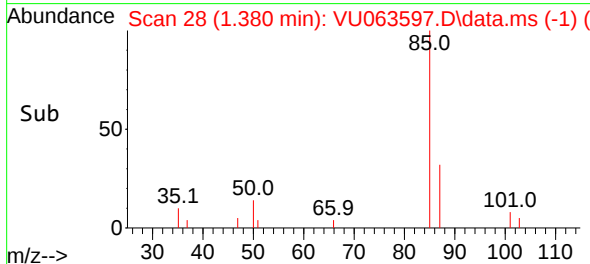
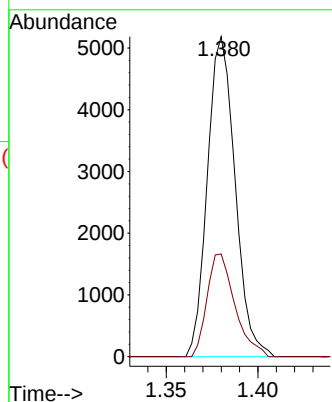
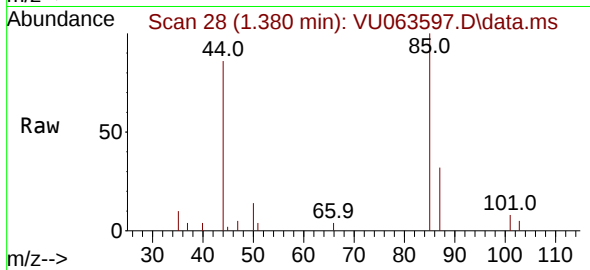
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.512 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063597.D
 Acq: 17 Sep 2025 09:30

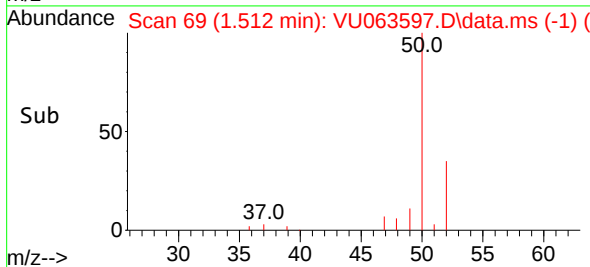
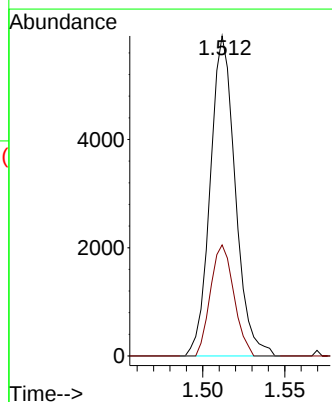
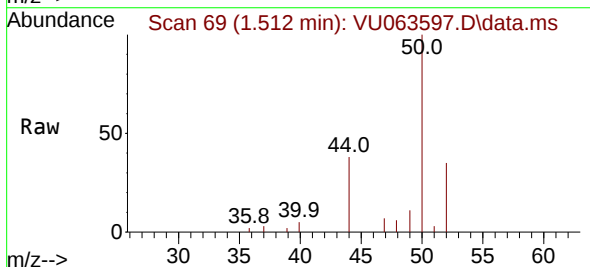
Instrument :
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 ClientSampleId :
 VSTD0.5021

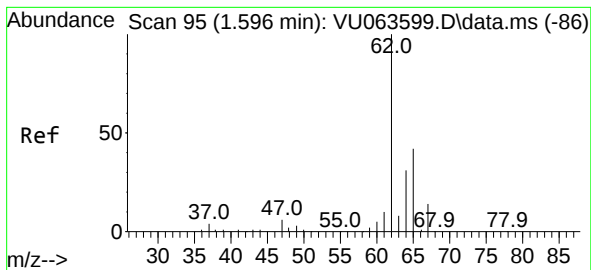
Tgt Ion: 85 Resp: 5450
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.8 38.8



#3
 Chloromethane
 Concen: 0.533 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.007 min
 Lab File: VU063597.D
 Acq: 17 Sep 2025 09:30

Tgt Ion: 50 Resp: 6274
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.6 42.0





#5

Vinyl chloride

Concen: 0.502 ug/L

RT: 1.595 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

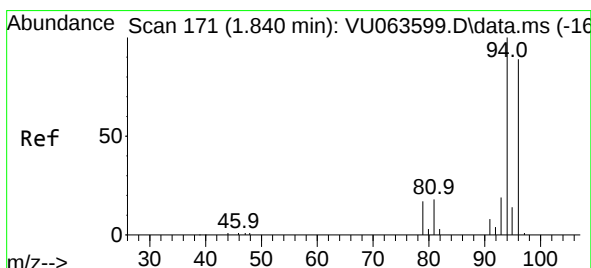
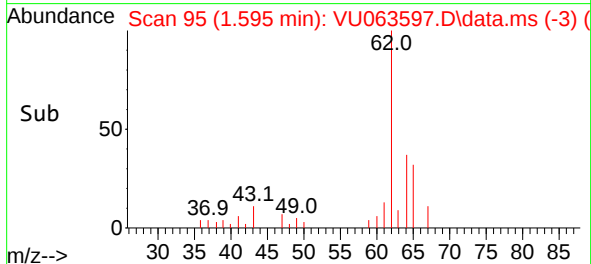
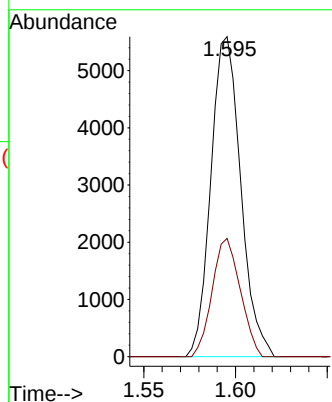
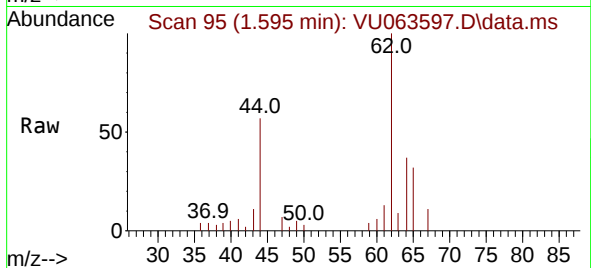
VSTD0.5021

Tgt Ion: 62 Resp: 6330

Ion Ratio Lower Upper

62 100

64 36.9 21.5 39.9



#6

Bromomethane

Concen: 0.549 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.007 min

Lab File: VU063597.D

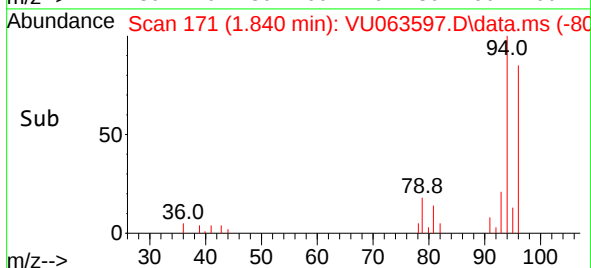
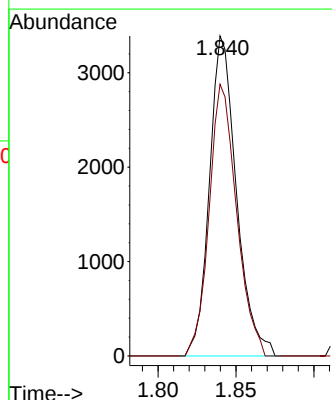
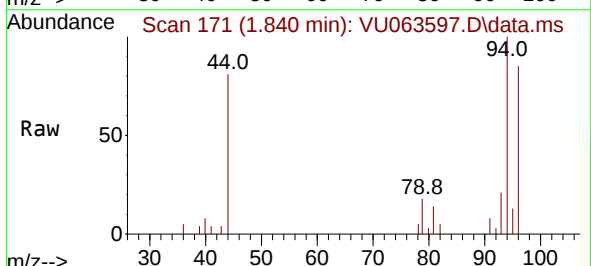
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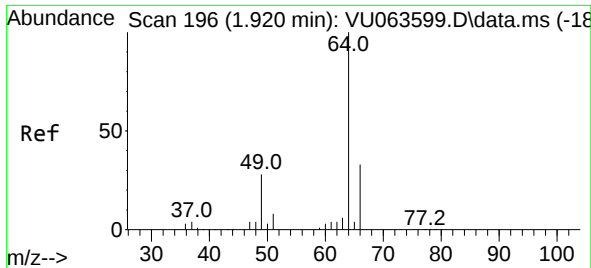
Tgt Ion: 94 Resp: 4091

Ion Ratio Lower Upper

94 100

96 84.9 62.4 116.0

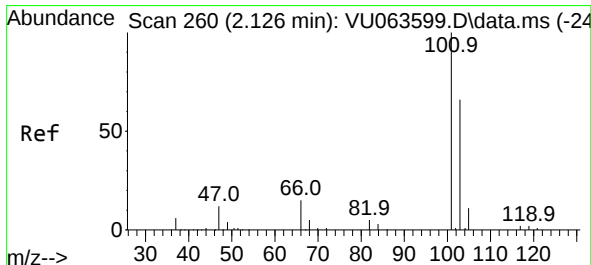
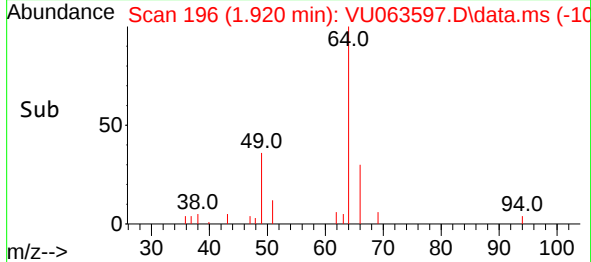
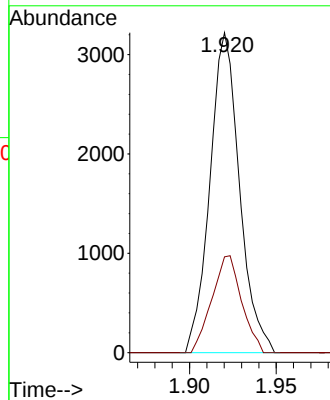
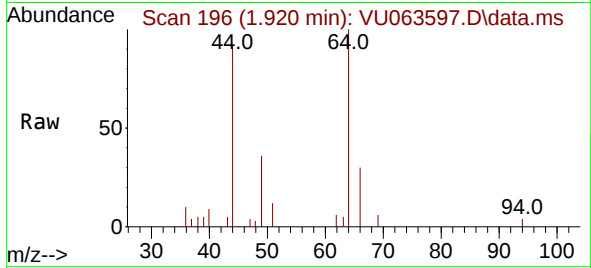




#8
Chloroethane
Concen: 0.492 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

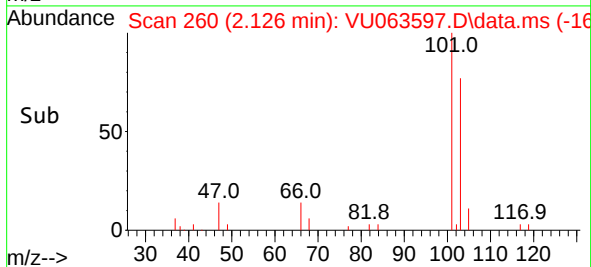
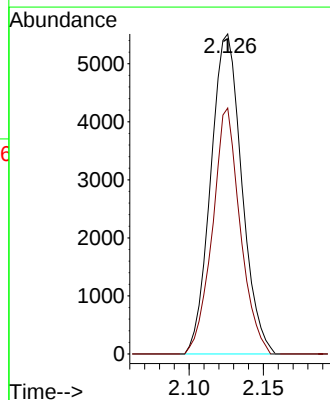
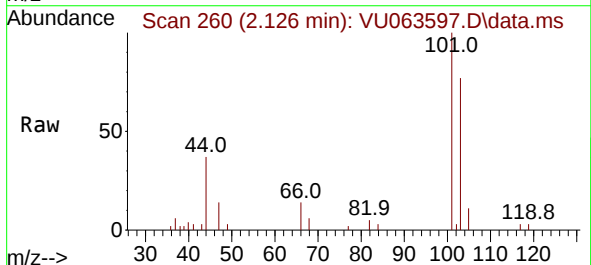
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

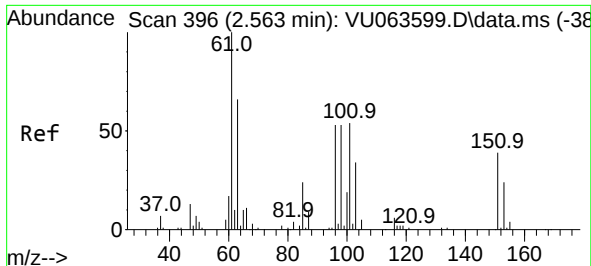
Tgt Ion: 64 Resp: 3826
Ion Ratio Lower Upper
64 100
66 30.0 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.486 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion:101 Resp: 8022
Ion Ratio Lower Upper
101 100
103 68.6 52.8 79.2

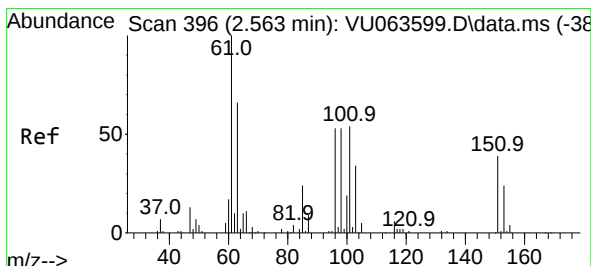
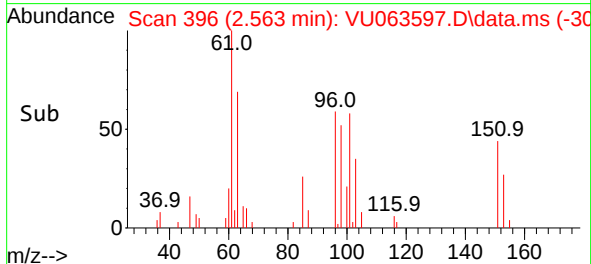
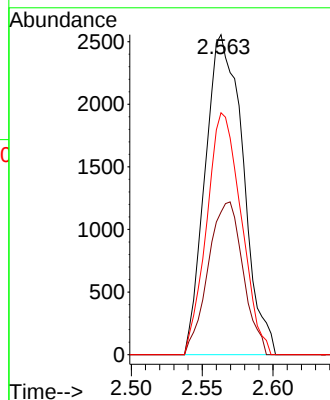
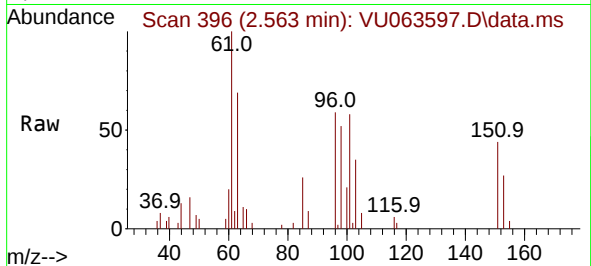




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.508 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.007 min
 Lab File: VU063597.D
 Acq: 17 Sep 2025 09:30

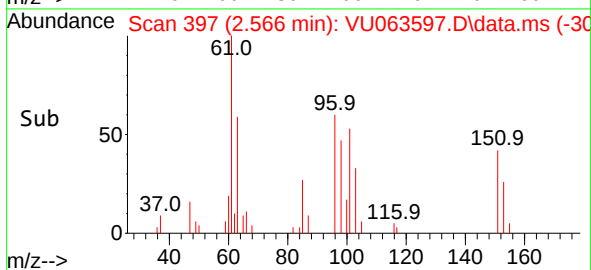
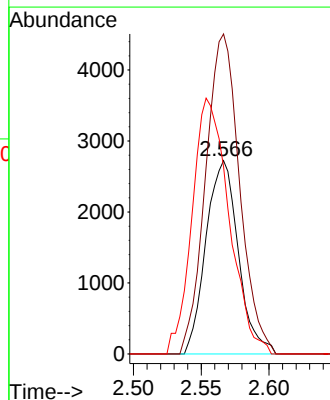
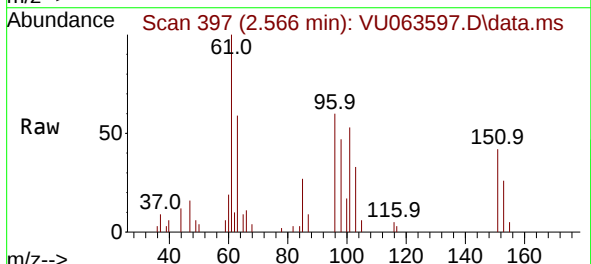
Instrument :
 MSVOA_U
 ClientSampleId :
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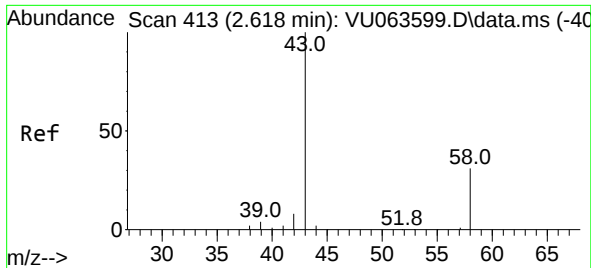
Tgt Ion: 101 Resp: 4743
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.4 54.6
 151 69.1 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 0.523 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU063597.D
 Acq: 17 Sep 2025 09:30

Tgt Ion: 96 Resp: 4520
 Ion Ratio Lower Upper
 96 100
 61 165.6 132.4 245.8
 63 96.9 89.0 165.4





#13

Acetone

Concen: 5.205 ug/L

RT: 2.627 min Scan# 416

Delta R.T. 0.013 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

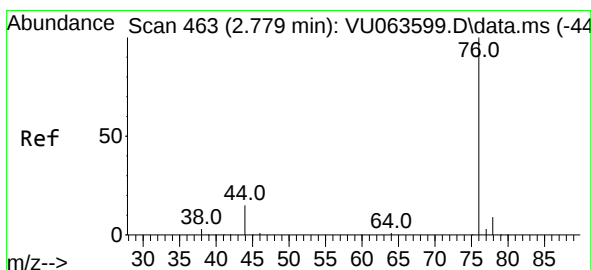
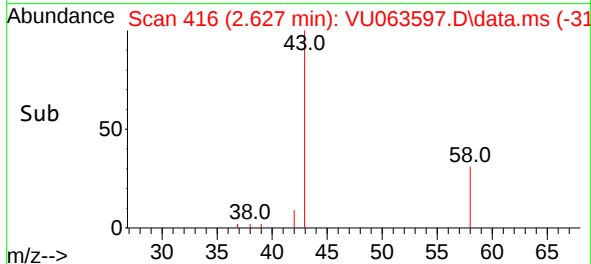
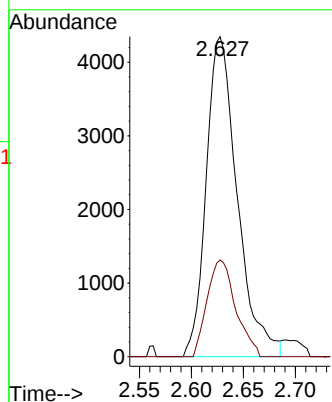
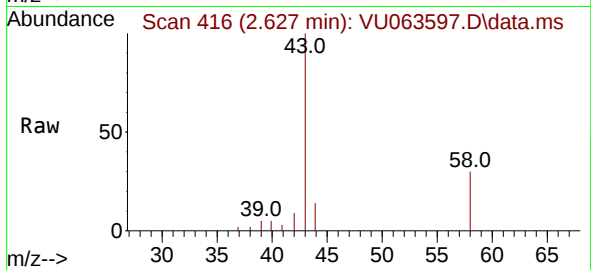
VSTD0.5021

Tgt Ion: 43 Resp: 9042

Ion Ratio Lower Upper

43 100

58 27.8 0.0 63.6



#14

Carbon disulfide

Concen: 0.477 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063597.D

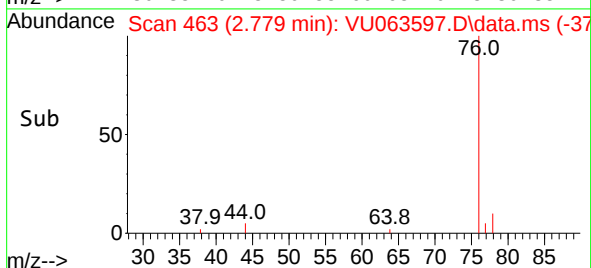
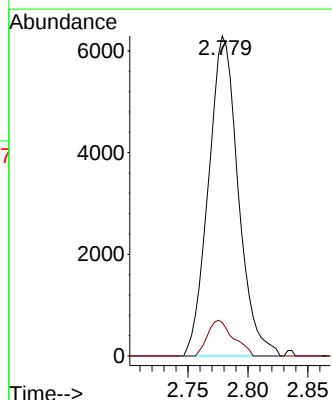
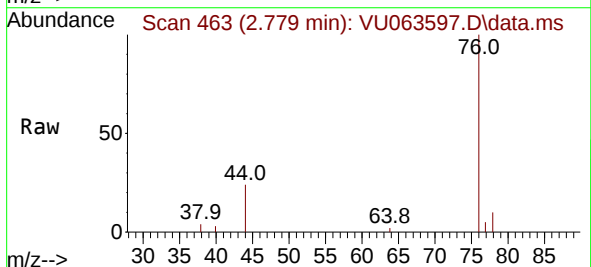
Acq: 17 Sep 2025 09:30

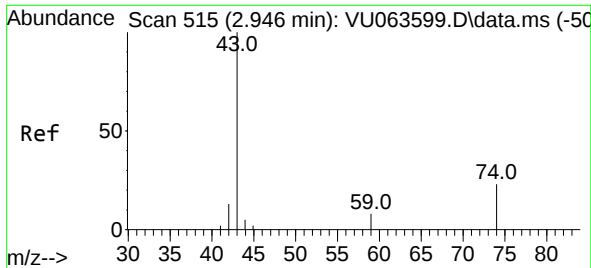
Tgt Ion: 76 Resp: 10887

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.0

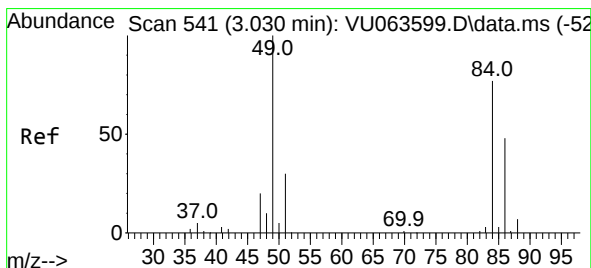
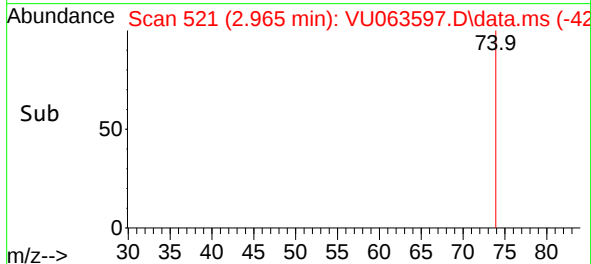
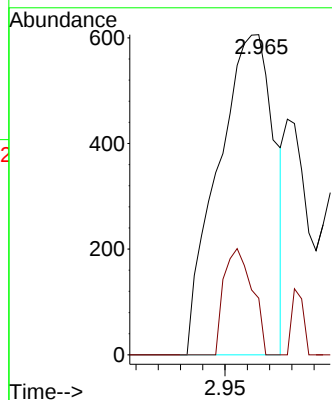
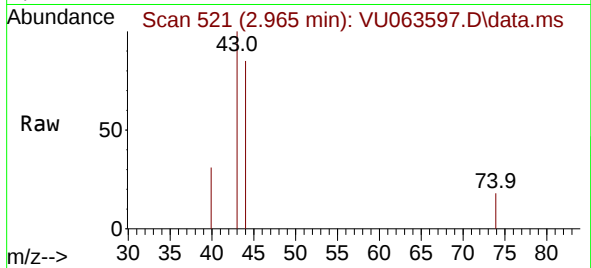




#15
Methyl Acetate
Concen: 0.271 ug/L
RT: 2.965 min Scan# 515
Delta R.T. 0.022 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

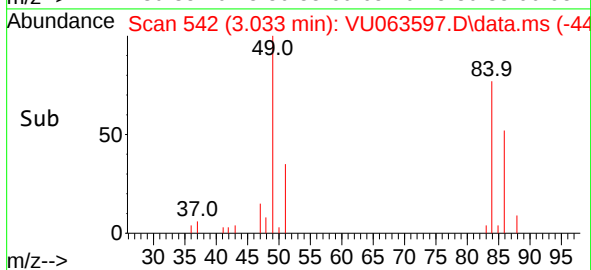
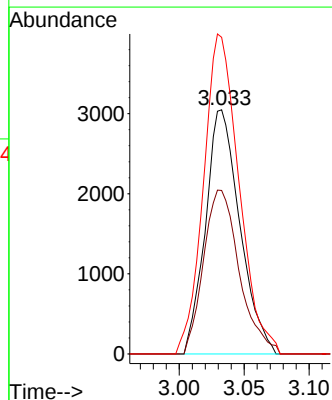
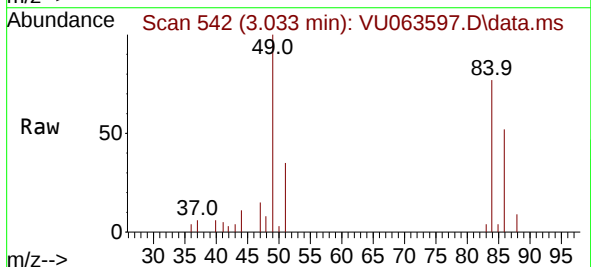
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

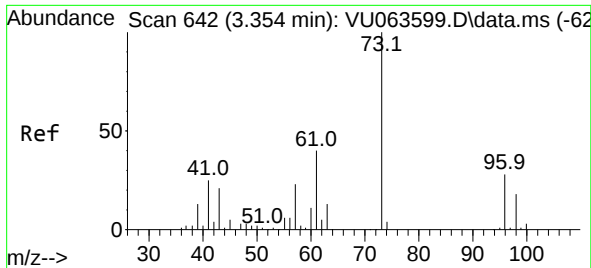
Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
74 16.7 18.2 27.2#



#16
Methylene chloride
Concen: 0.553 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.000 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 84 Resp: 5599
Ion Ratio Lower Upper
84 100
86 67.0 43.1 80.1
49 129.7 90.6 168.2

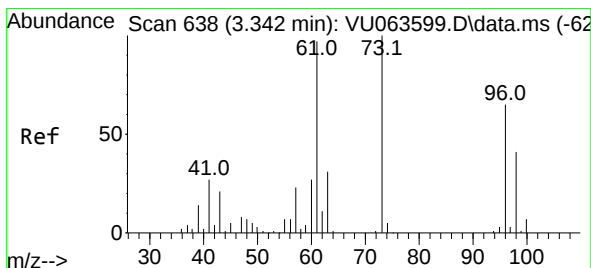
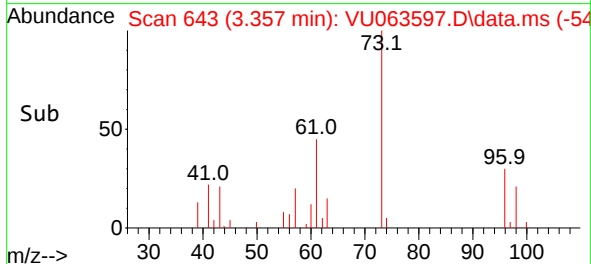
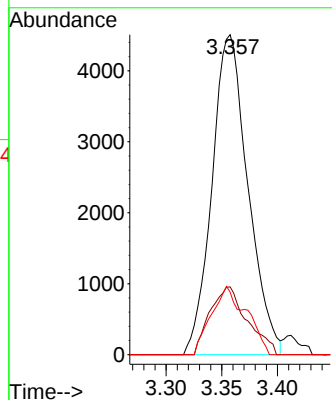
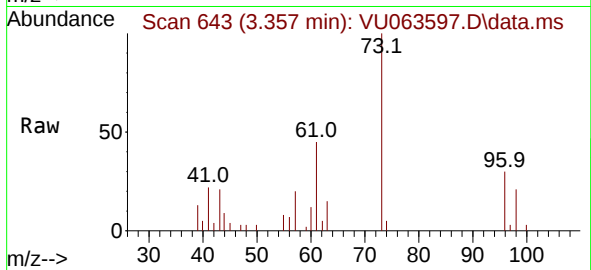




#17
Methyl tert-butyl Ether
Concen: 0.476 ug/L
RT: 3.357 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

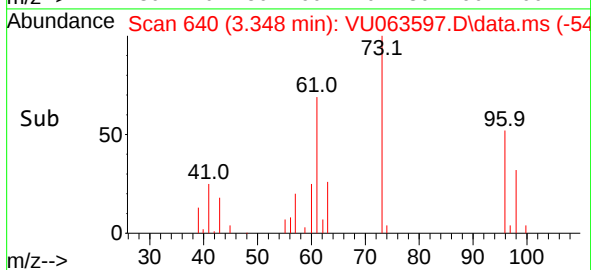
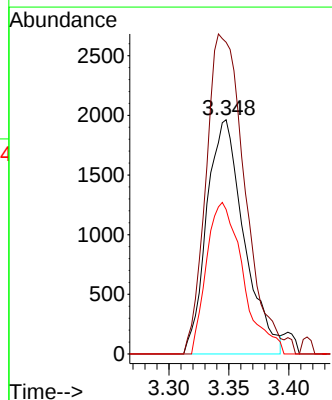
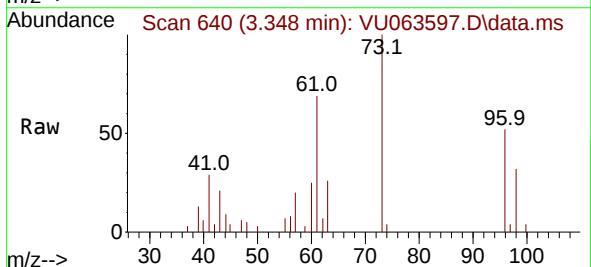
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

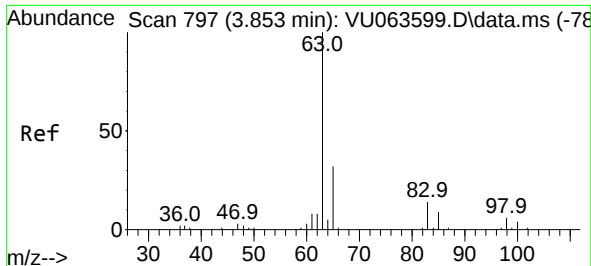
Tgt Ion: 73	Resp: 10140
Ion Ratio	Lower Upper
73 100	
43 21.9	17.0 25.4
57 20.8	18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 0.475 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 96	Resp: 4247		
Ion Ratio	Lower	Upper	
96	100		
61	133.1	104.9	194.7
98	61.7	44.3	82.3

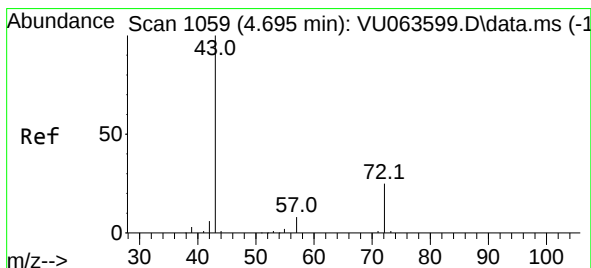
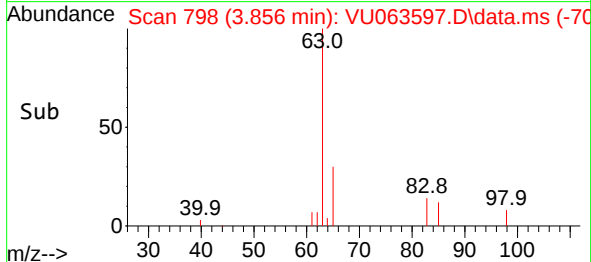
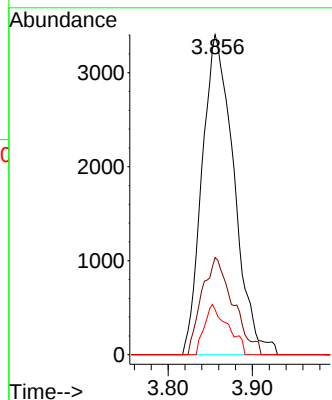
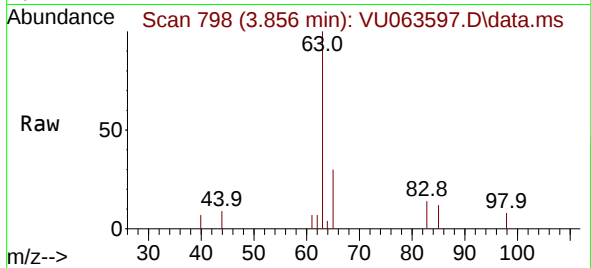




#19
1,1-Dichloroethane
Concen: 0.491 ug/L
RT: 3.856 min Scan# 797
Delta R.T. -0.000 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

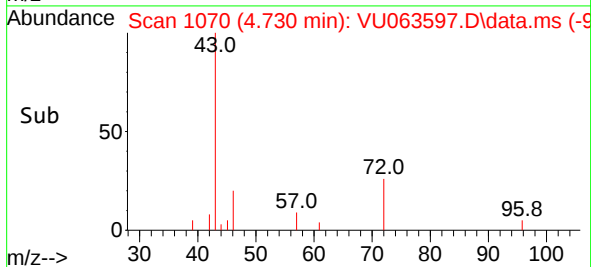
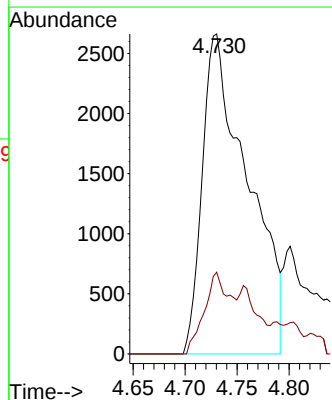
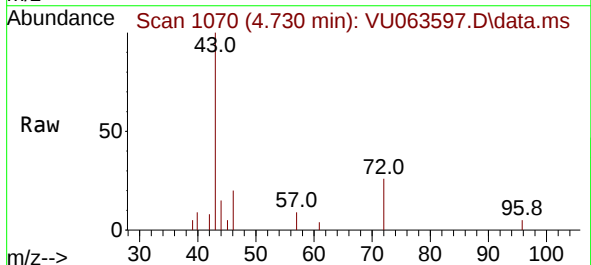
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

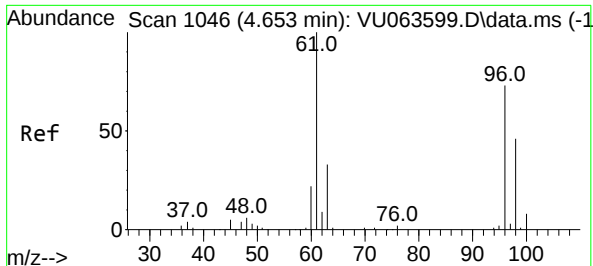
Tgt Ion: 63 Resp: 8931
Ion Ratio Lower Upper
63 100
65 30.4 22.1 41.1
83 14.1 9.7 17.9



#21
2-Butanone
Concen: 3.430 ug/L
RT: 4.730 min Scan# 1070
Delta R.T. 0.042 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 43 Resp: 8073
Ion Ratio Lower Upper
43 100
72 14.9 11.9 35.7

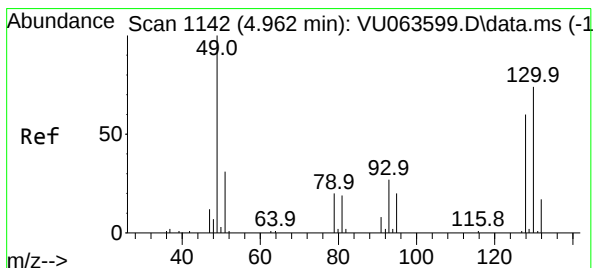
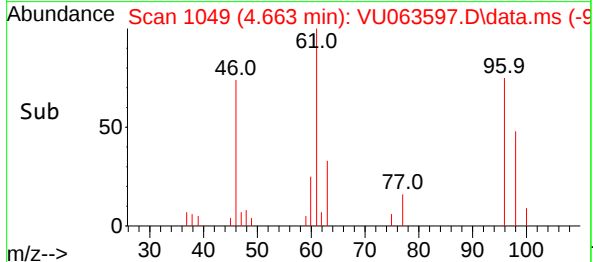
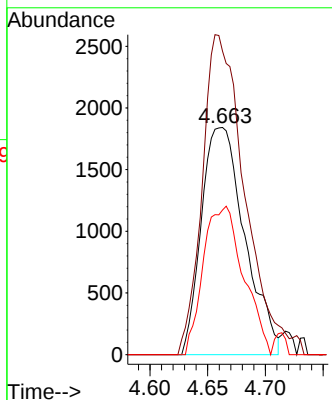
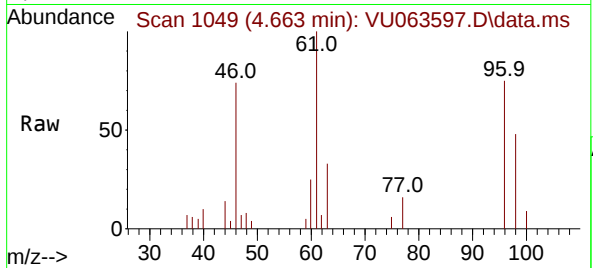




#22
 cis-1,2-Dichloroethene
 Concen: 0.473 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.006 min
 Lab File: VU063597.D
 Acq: 17 Sep 2025 09:30

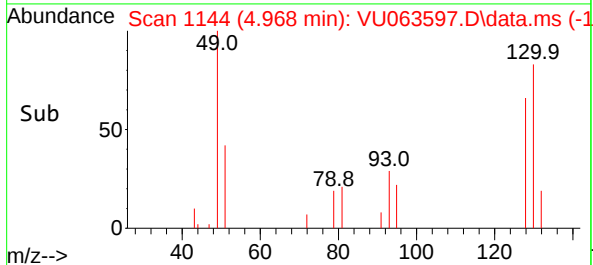
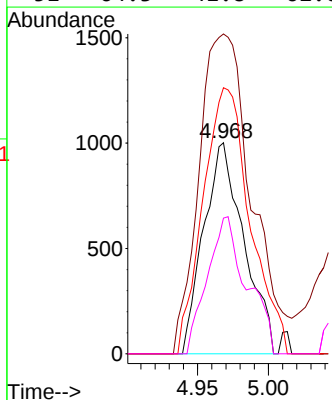
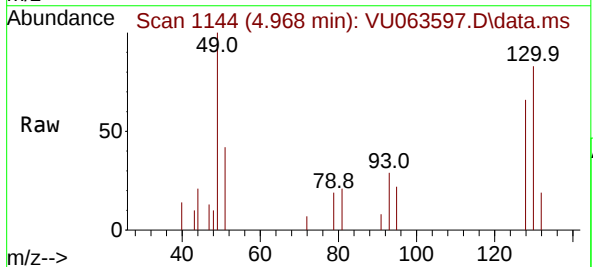
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5021

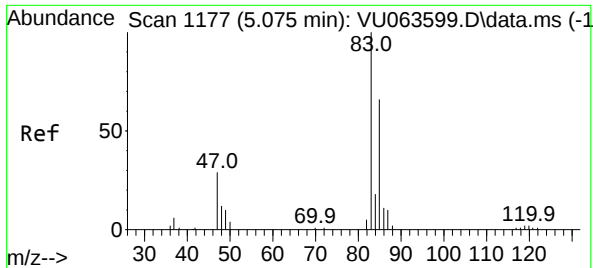
Tgt Ion:	96	Resp:	4808
Ion	Ratio	Lower	Upper
96	100		
61	133.6	95.8	177.8
98	63.7	43.5	80.9



#23
 Bromochloromethane
 Concen: 0.438 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU063597.D
 Acq: 17 Sep 2025 09:30

Tgt Ion:	128	Resp:	1973
Ion	Ratio	Lower	Upper
128	100		
49	151.5	118.4	219.8
130	126.0	87.6	162.6
51	64.3	41.8	62.6

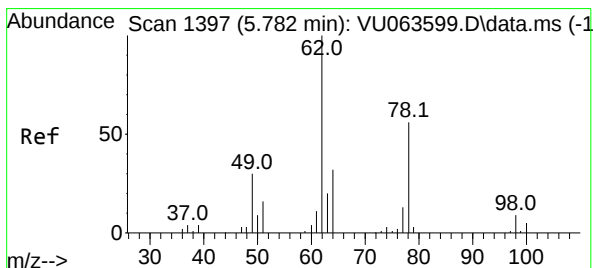
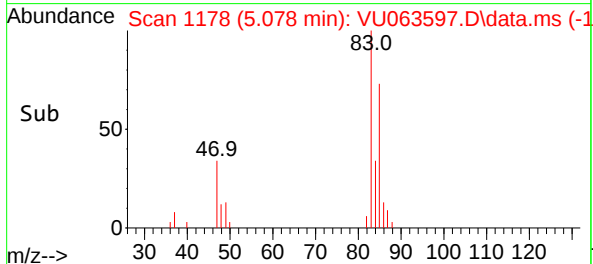
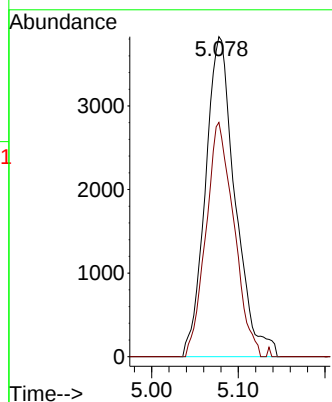
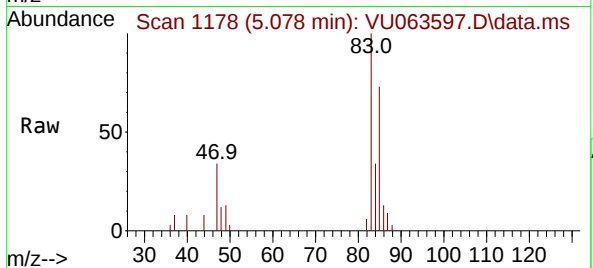




#25
Chloroform
Concen: 0.489 ug/L
RT: 5.078 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

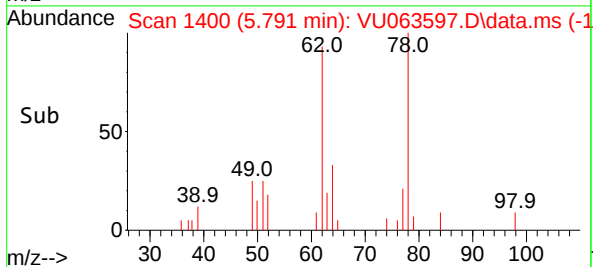
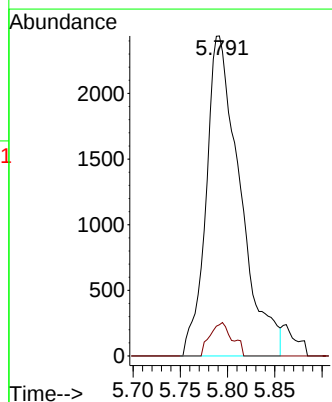
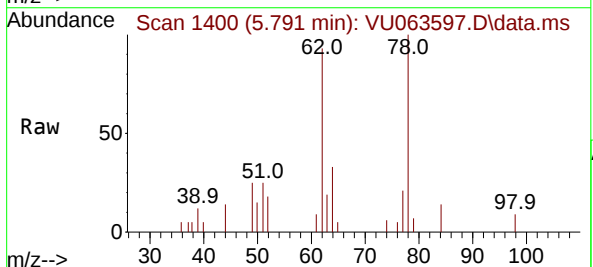
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

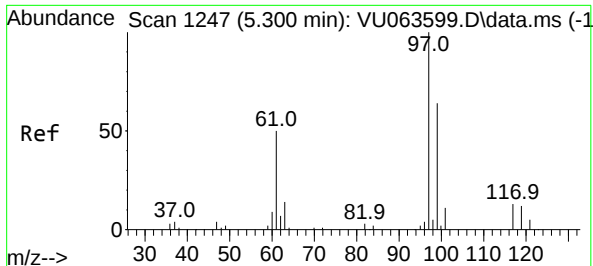
Tgt Ion: 83 Resp: 9122
Ion Ratio Lower Upper
83 100
85 73.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.491 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 62 Resp: 6075
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.4

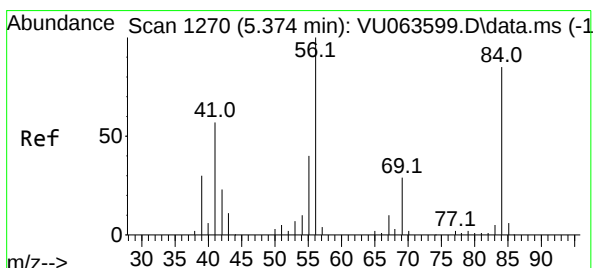
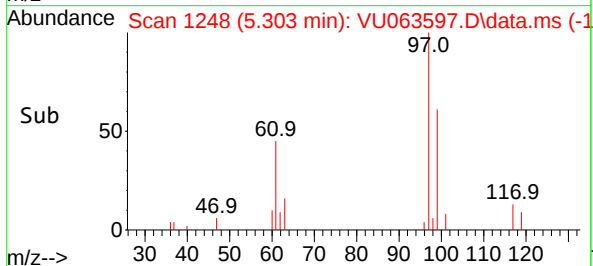
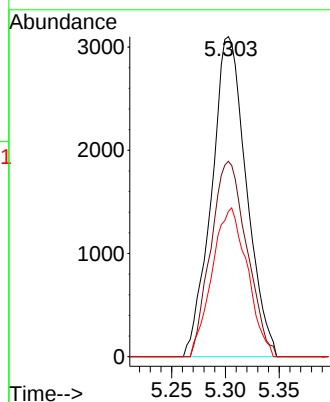
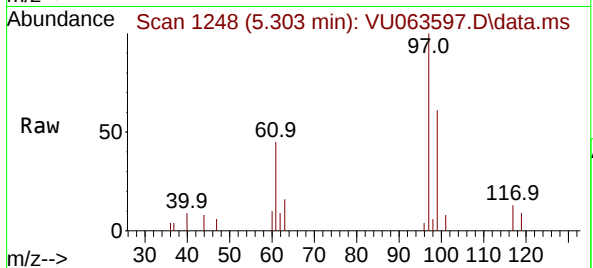




#29
1,1,1-Trichloroethane
Concen: 0.483 ug/L
RT: 5.303 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

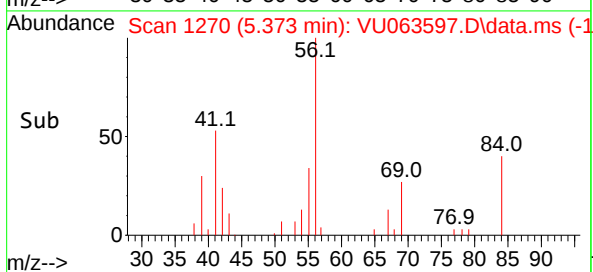
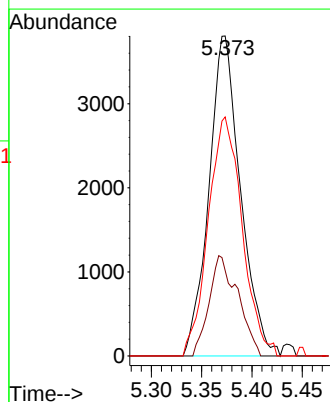
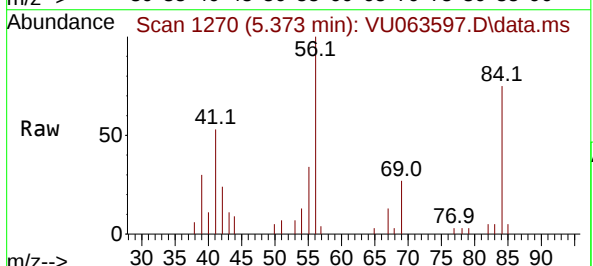
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

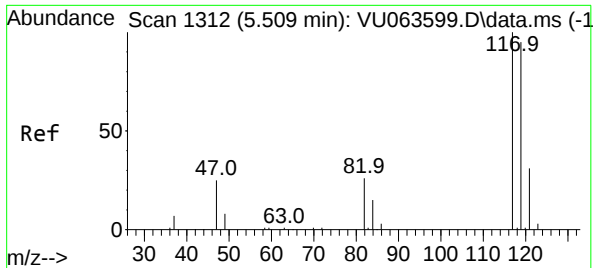
Tgt Ion: 97	Resp: 6983		
Ion Ratio	Lower	Upper	
97 100			
99 63.0	51.0	76.6	
61 47.2	39.9	59.9	



#30
Cyclohexane
Concen: 0.489 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 56	Resp: 8332
Ion Ratio	Lower Upper
56 100	
69 28.6	23.2 34.8
84 80.1	65.0 97.4

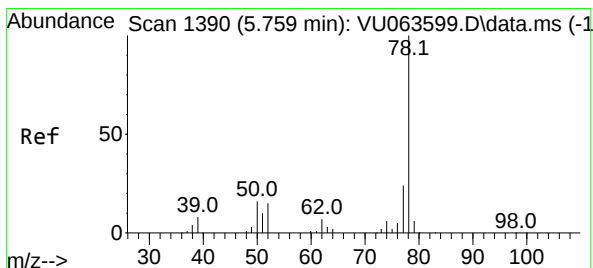
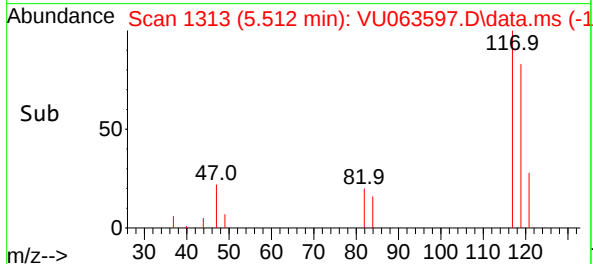
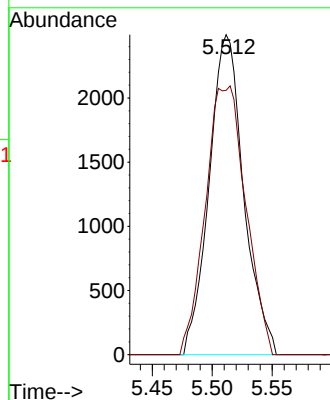
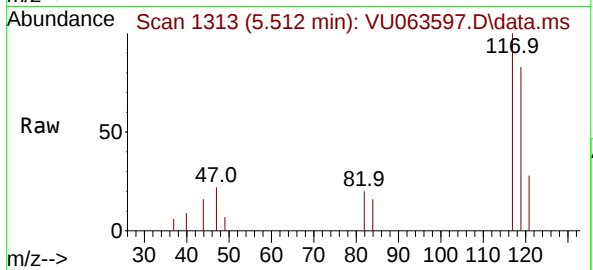




#31
Carbon tetrachloride
Concen: 0.441 ug/L
RT: 5.512 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

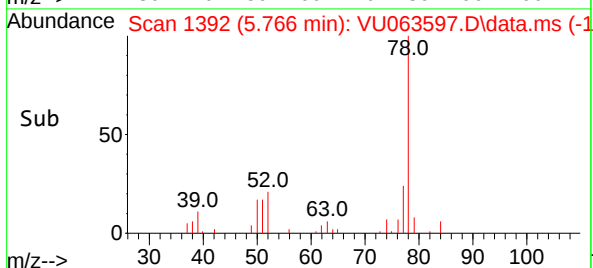
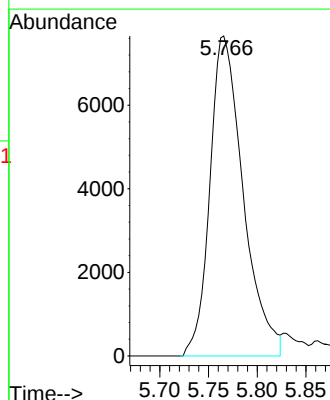
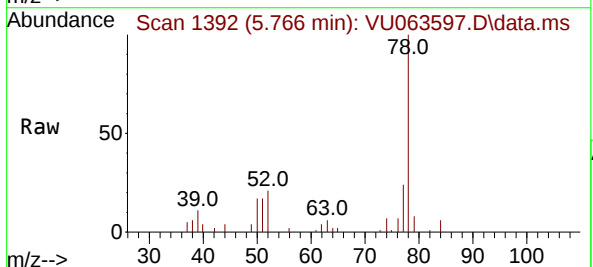
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

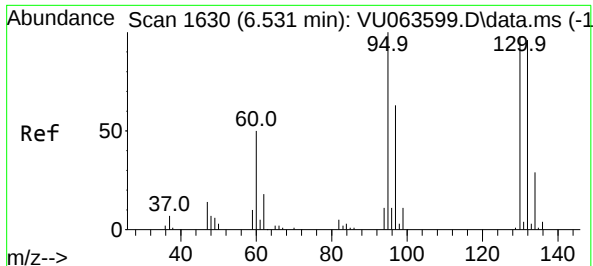
Tgt Ion:117 Resp: 4991
Ion Ratio Lower Upper
117 100
119 98.1 76.8 115.2



#33
Benzene
Concen: 0.463 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 78 Resp: 18220



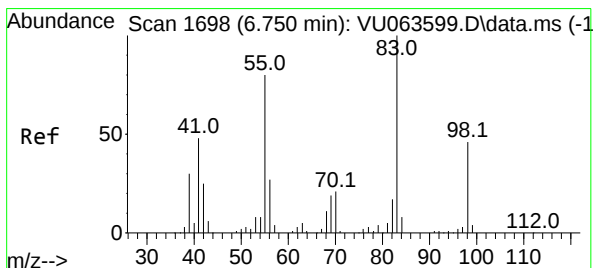
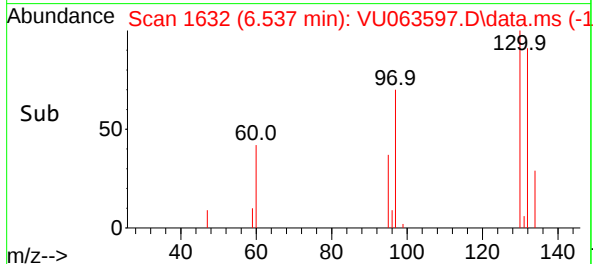
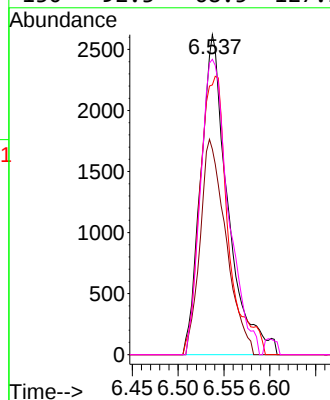
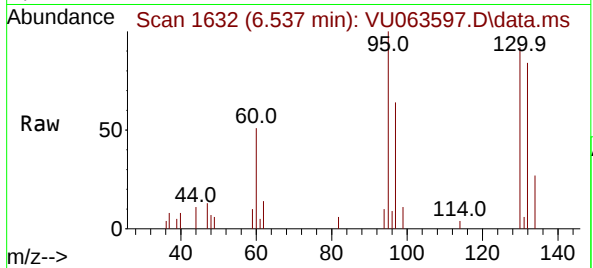


#34
Trichloroethene
Concen: 0.498 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

Tgt Ion: 95 Resp: 5385

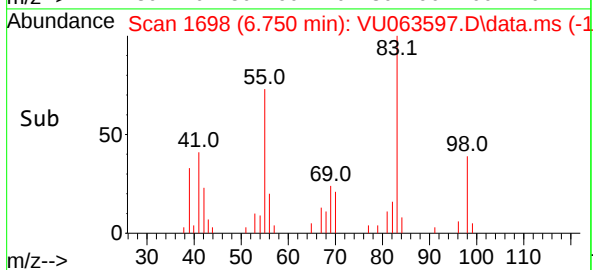
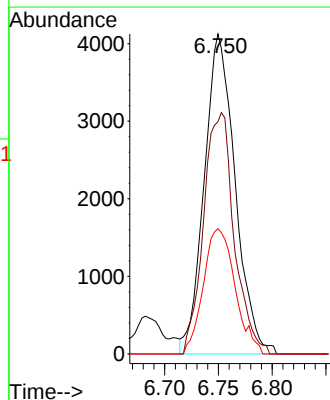
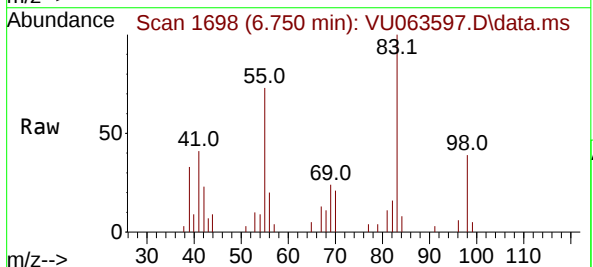
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.0	81.6
132	84.3	67.1	124.5
130	92.3	68.5	127.1

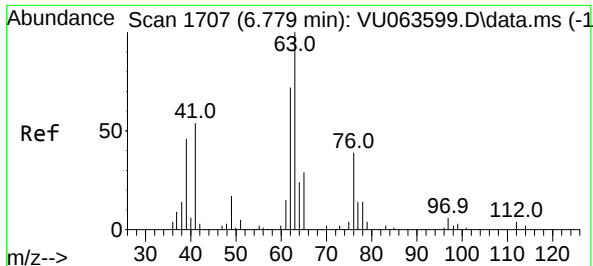


#35
Methylcyclohexane
Concen: 0.500 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 83 Resp: 8244

Ion	Ratio	Lower	Upper
83	100		
55	74.7	63.9	95.9
98	40.1	36.2	54.2





#37

1,2-Dichloropropane

Concen: 0.503 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

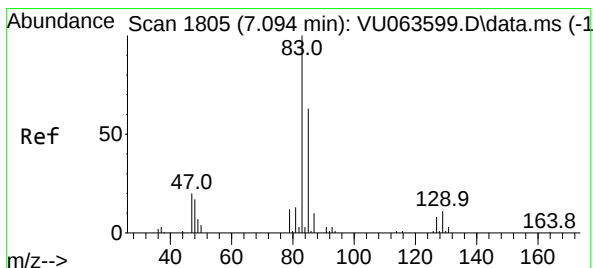
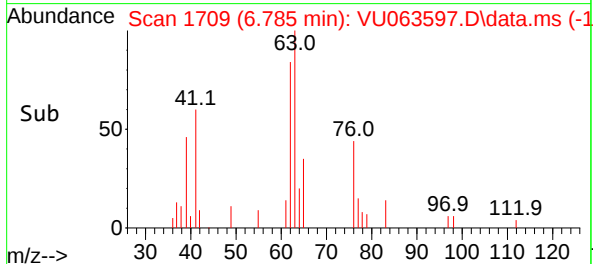
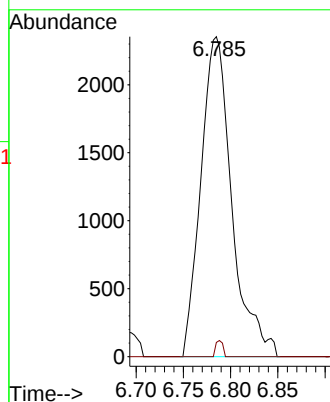
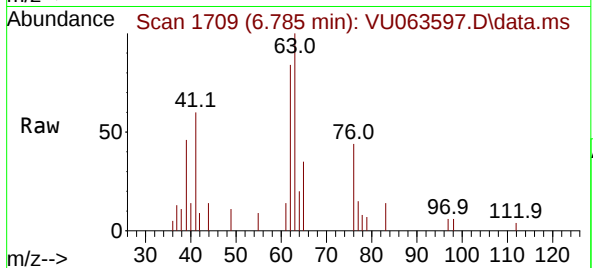
VSTD0.5021

Tgt Ion: 63 Resp: 5372

Ion Ratio Lower Upper

63 100

112 1.2 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.479 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

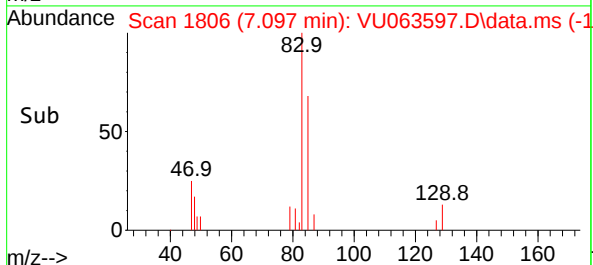
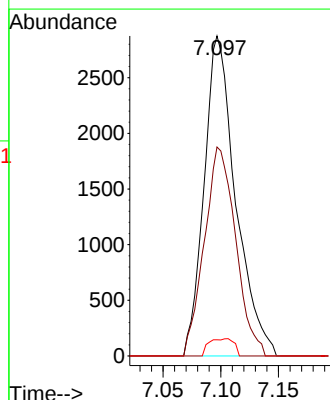
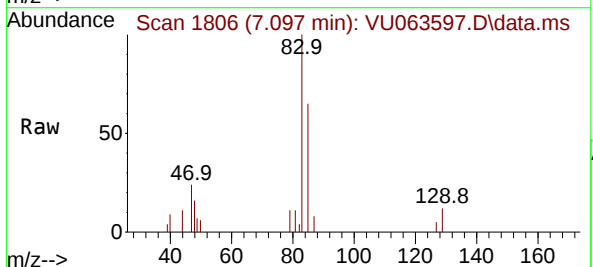
Tgt Ion: 83 Resp: 5472

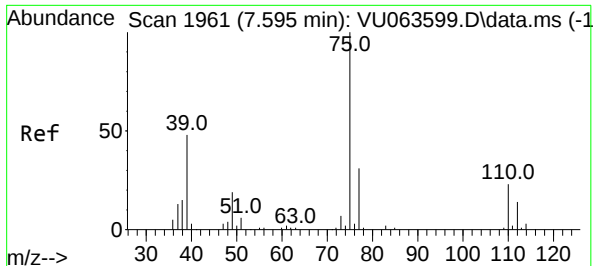
Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.4

127 5.1 6.2 9.2#





#39

cis-1,3-Dichloropropene

Concen: 0.414 ug/L

RT: 7.605 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

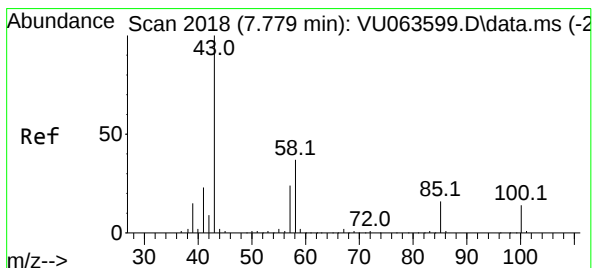
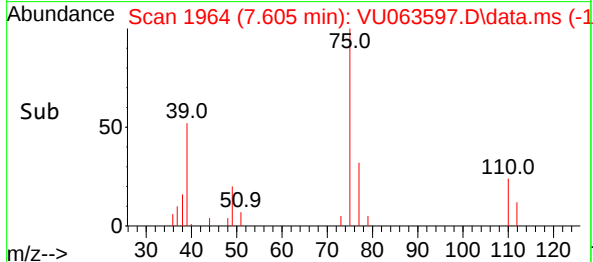
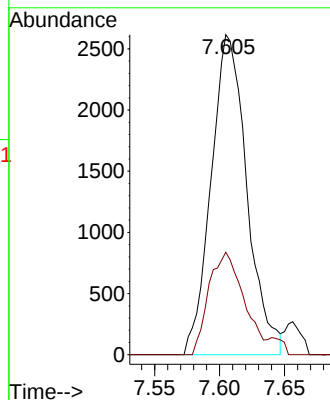
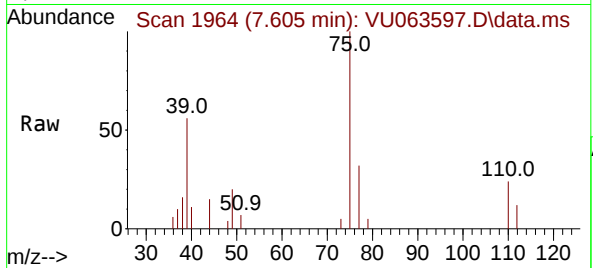
VSTD0.5021

Tgt Ion: 75 Resp: 5005

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 4.468 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.006 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

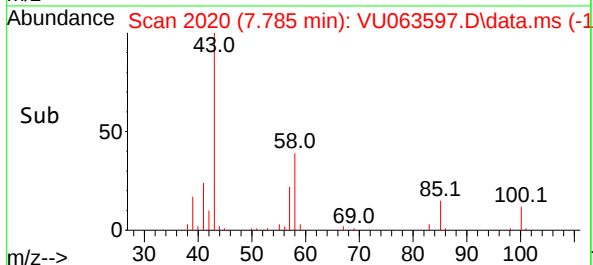
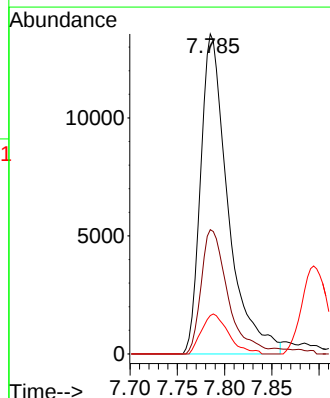
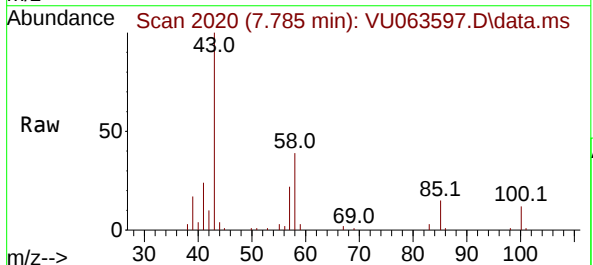
Tgt Ion: 43 Resp: 27287

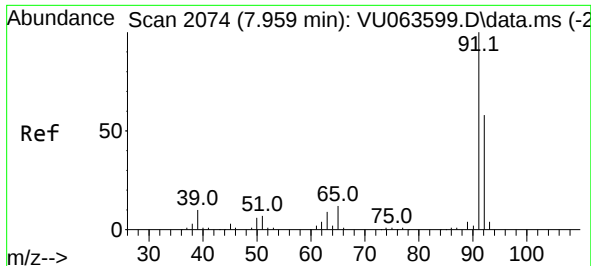
Ion Ratio Lower Upper

43 100

58 37.8 29.6 44.4

100 12.3 10.6 16.0





#42

Toluene

Concen: 0.467 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

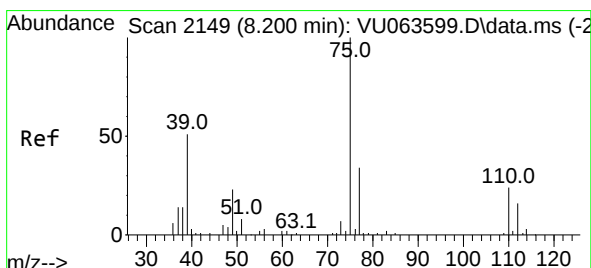
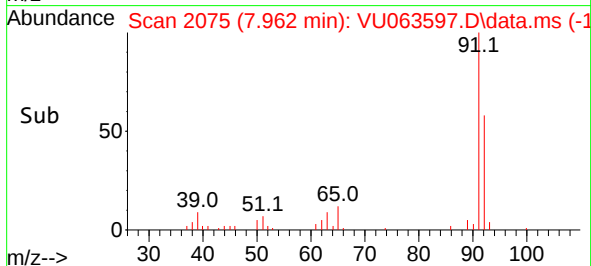
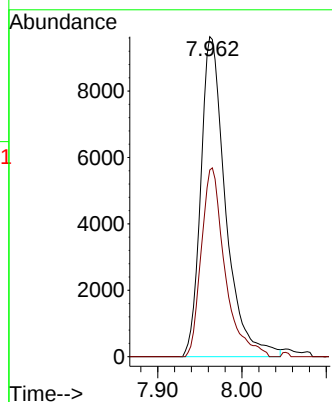
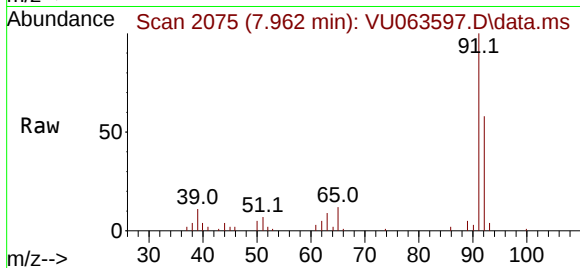
VSTD0.5021

Tgt Ion: 91 Resp: 19743

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.421 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063597.D

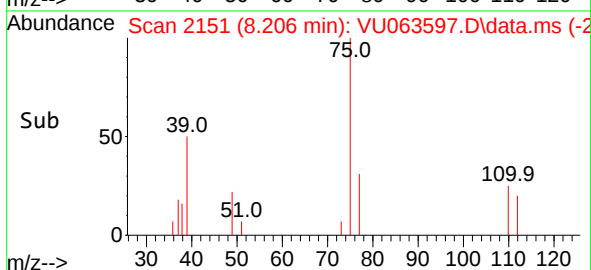
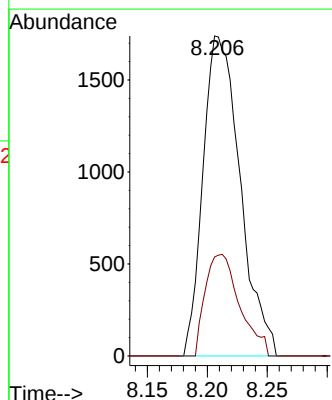
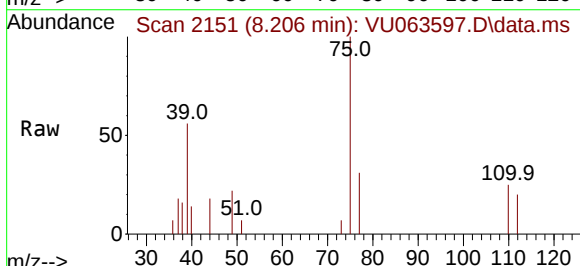
Acq: 17 Sep 2025 09:30

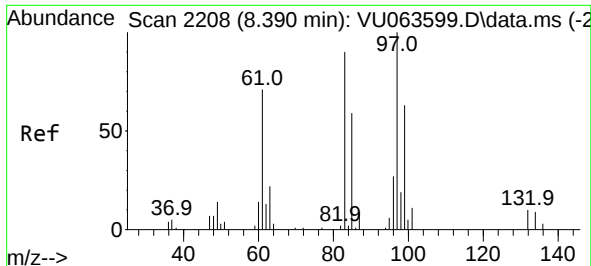
Tgt Ion: 75 Resp: 3740

Ion Ratio Lower Upper

75 100

77 30.9 23.7 44.1



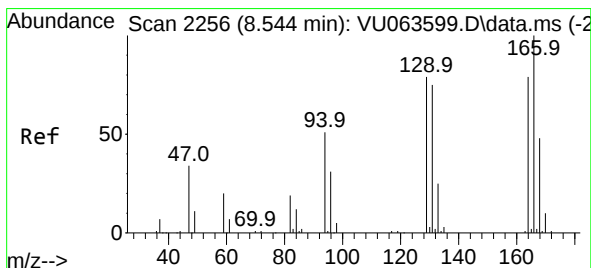
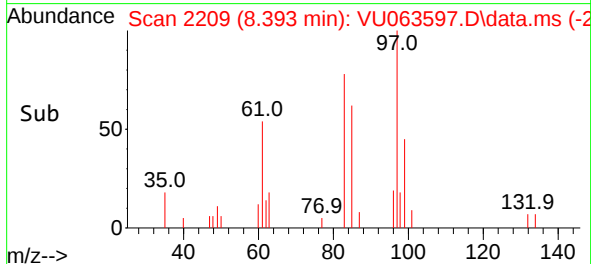
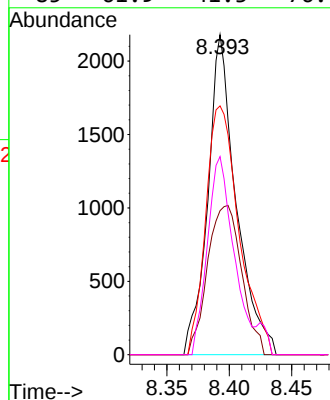
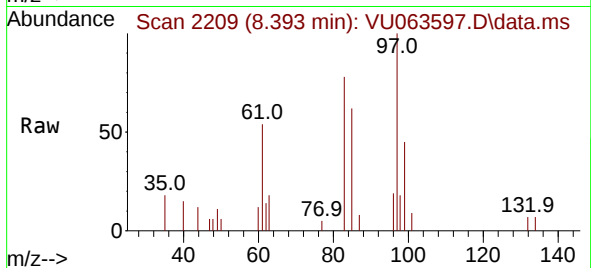


#45
1,1,2-Trichloroethane
Concen: 0.473 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

Tgt Ion: 97 Resp: 3458

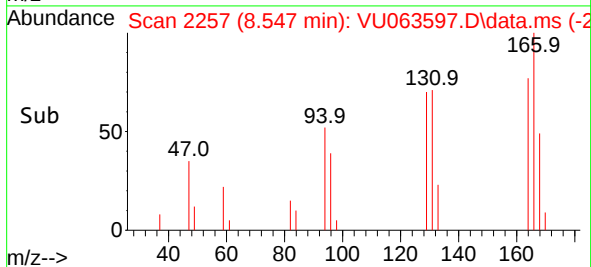
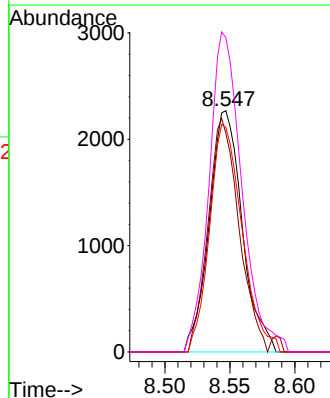
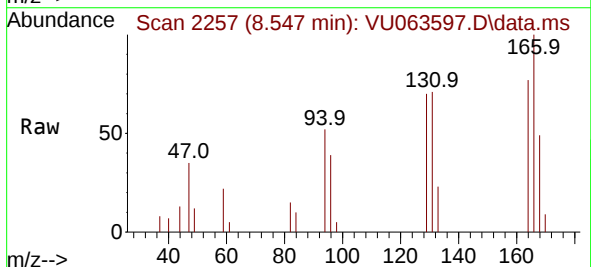
Ion	Ratio	Lower	Upper
97	100		
99	45.0	44.0	81.6
83	77.8	63.1	117.3
85	61.9	41.3	76.7

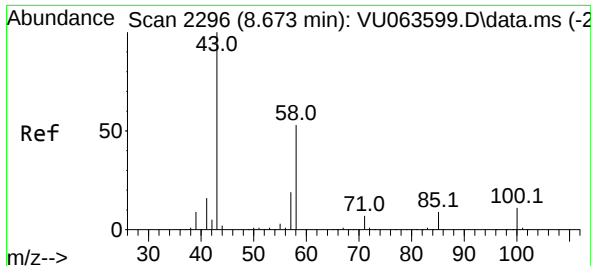


#47
Tetrachloroethene
Concen: 0.486 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 164 Resp: 4004

Ion	Ratio	Lower	Upper
164	100		
129	90.7	70.0	130.0
131	93.1	67.1	124.5
166	130.4	89.0	165.2

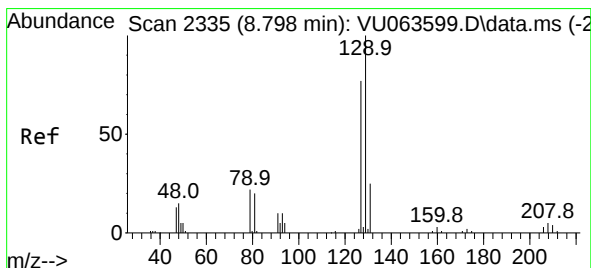
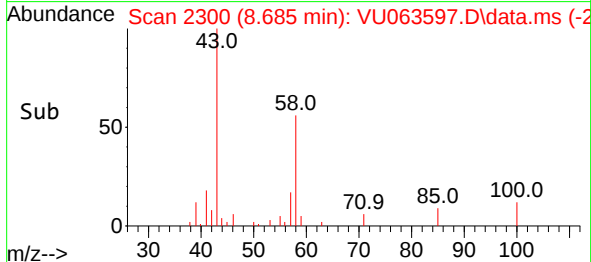
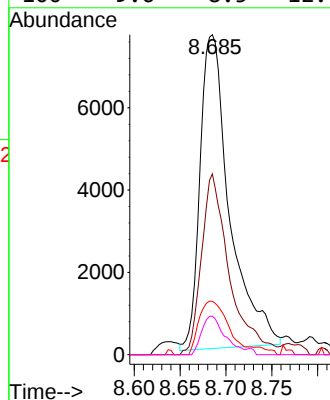
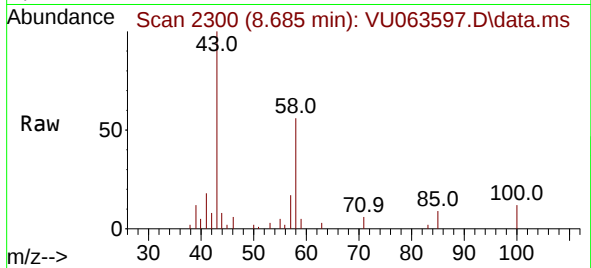




#48
2-Hexanone
Concen: 4.131 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

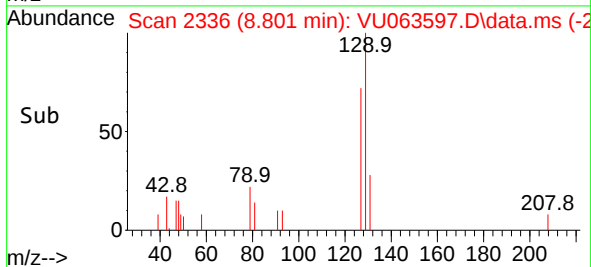
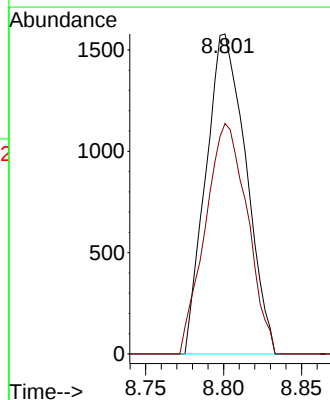
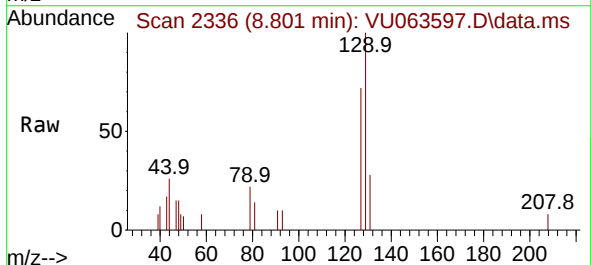
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

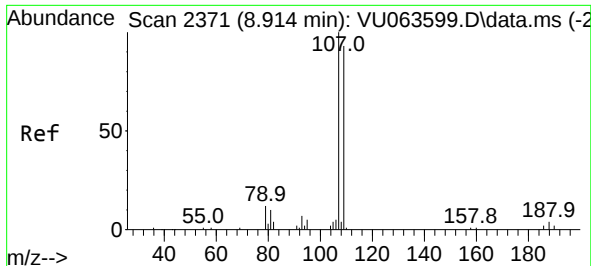
Tgt Ion: 43	Resp: 17151
Ion Ratio	Lower Upper
43 100	
58 54.3	42.2 63.2
57 18.2	15.0 22.4
100 9.6	8.5 12.7



#49
Dibromochloromethane
Concen: 0.423 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion:129	Resp:	2827	
Ion	Ratio	Lower	Upper
129	100		
127	72.0	54.3	100.8





#50

1,2-Dibromoethane

Concen: 0.438 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5021

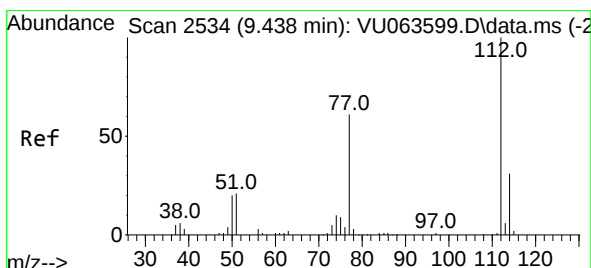
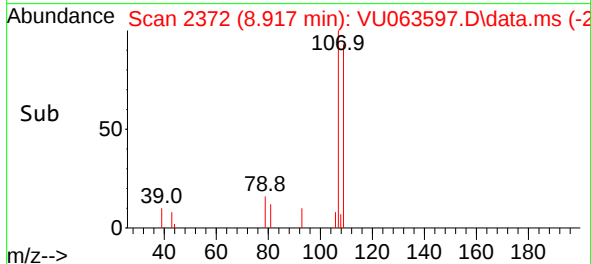
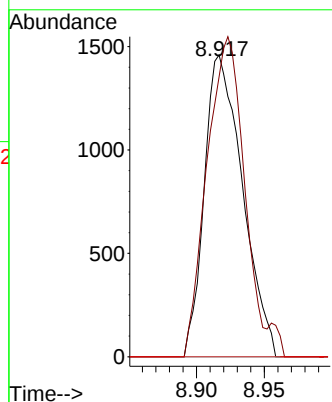
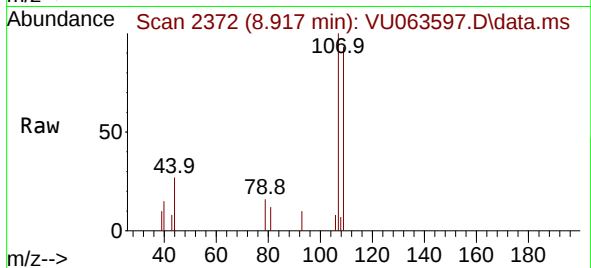
Tgt Ion:107 Resp: 2857

Ion Ratio Lower Upper

107 100

109 92.7 65.4 121.4

188 0.0 2.8 4.2#



#51

Chlorobenzene

Concen: 0.497 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

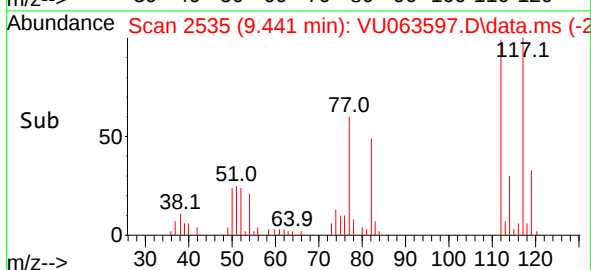
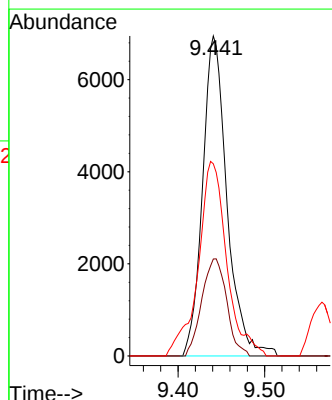
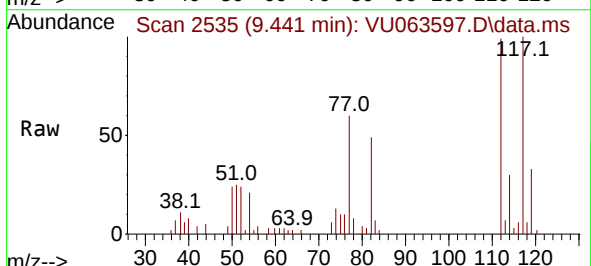
Tgt Ion:112 Resp: 13609

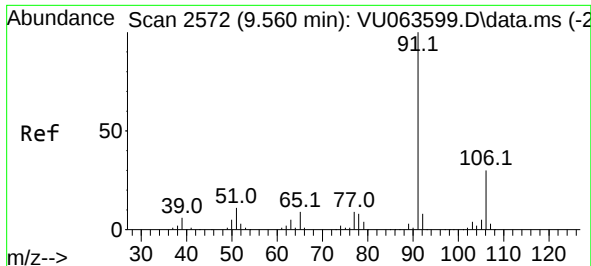
Ion Ratio Lower Upper

112 100

114 30.3 22.0 41.0

77 60.0 48.9 73.3

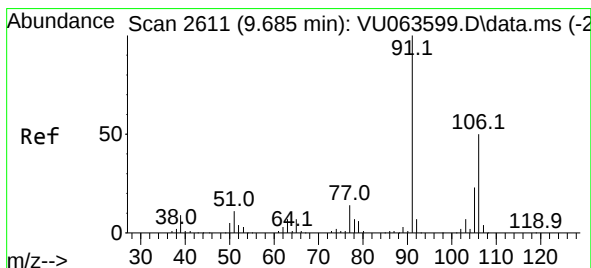
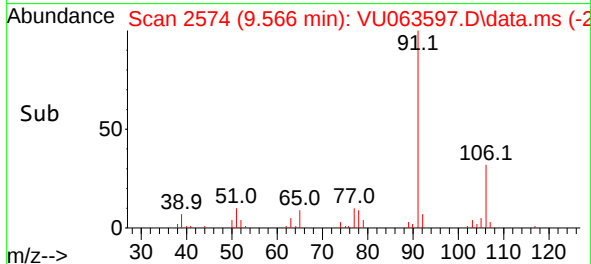
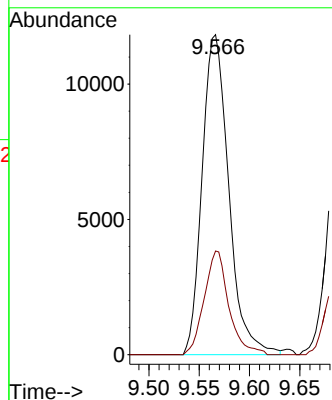
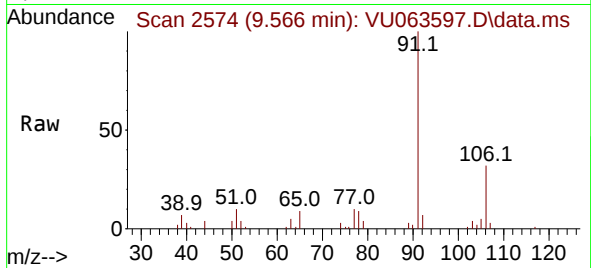




#52
Ethylbenzene
Concen: 0.468 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

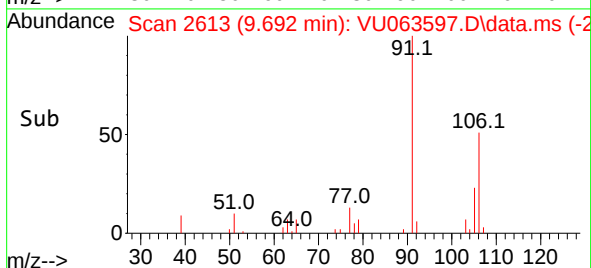
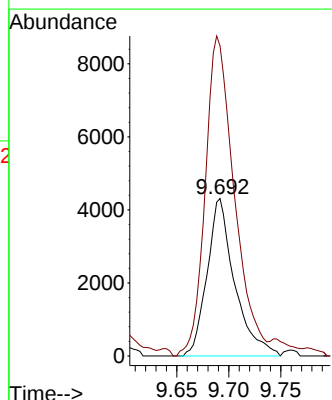
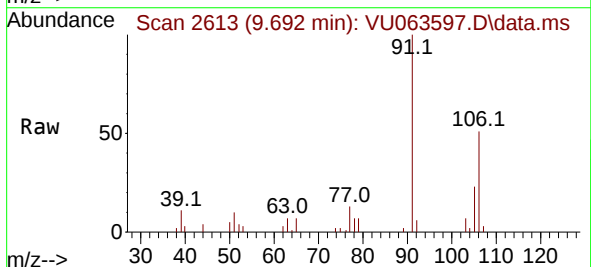
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

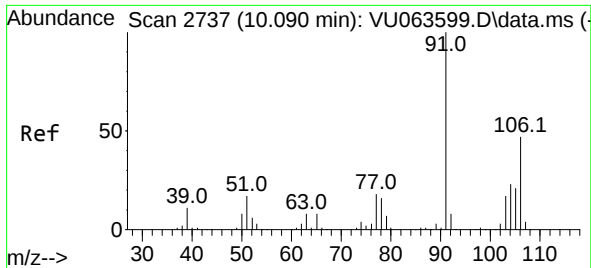
Tgt Ion: 91 Resp: 21760
Ion Ratio Lower Upper
91 100
106 32.4 21.2 39.4



#53
m,p-Xylene
Concen: 0.455 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion: 106 Resp: 7945
Ion Ratio Lower Upper
106 100
91 197.0 141.5 262.7

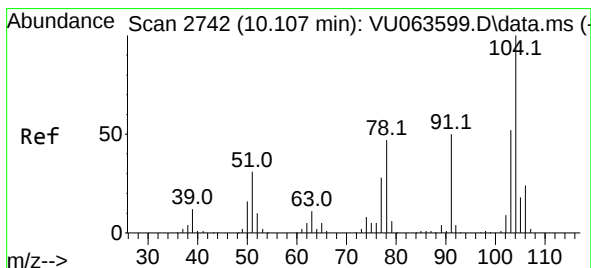
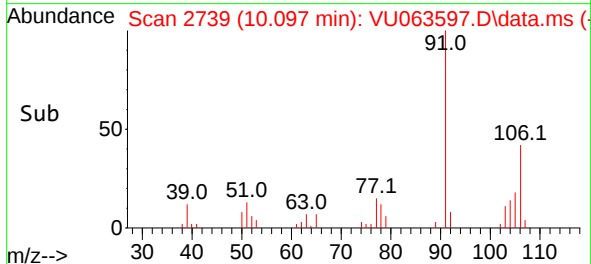
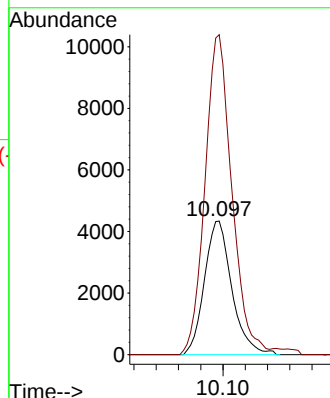
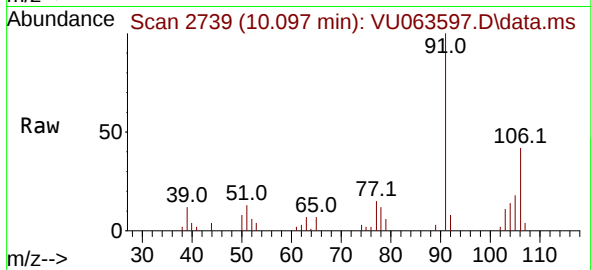




#54
o-Xylene
Concen: 0.439 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

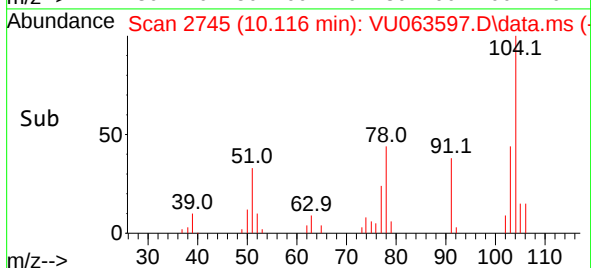
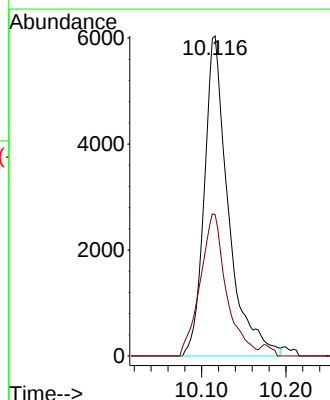
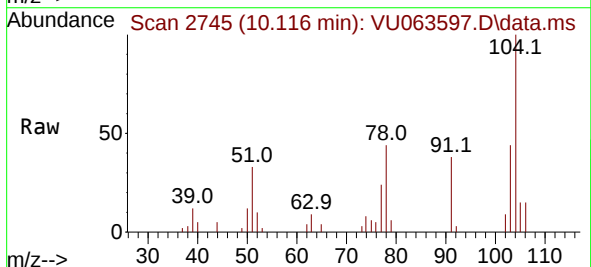
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

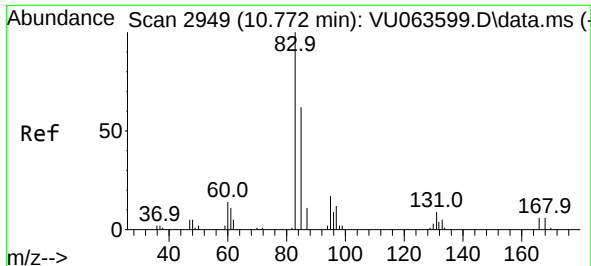
Tgt Ion:106 Resp: 7411
Ion Ratio Lower Upper
106 100
91 239.5 149.4 277.4



#55
Styrene
Concen: 0.434 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.010 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion:104 Resp: 12014
Ion Ratio Lower Upper
104 100
78 44.3 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.469 ug/L

RT: 10.778 min Scan# 2949

Delta R.T. 0.006 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5021

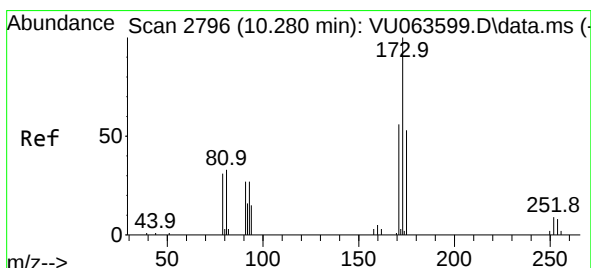
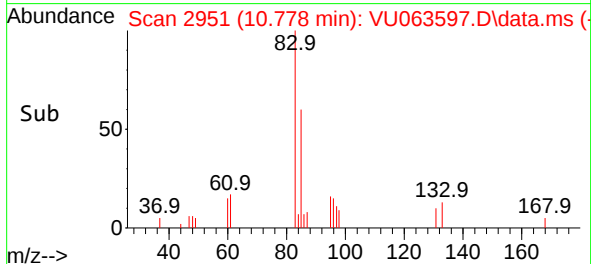
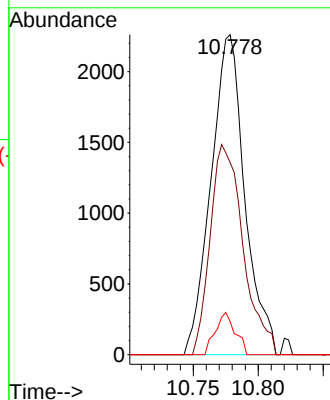
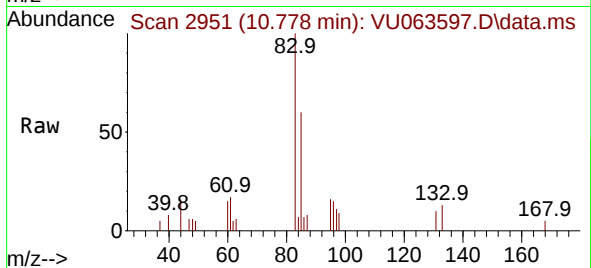
Tgt Ion: 83 Resp: 4089

Ion Ratio Lower Upper

83 100

85 60.1 43.5 80.7

131 10.3 7.3 10.9



#59

Bromoform

Concen: 0.493 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

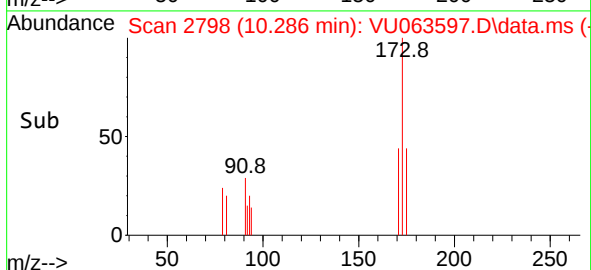
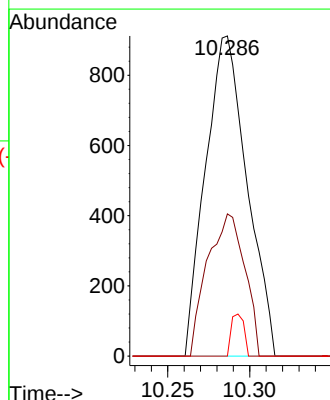
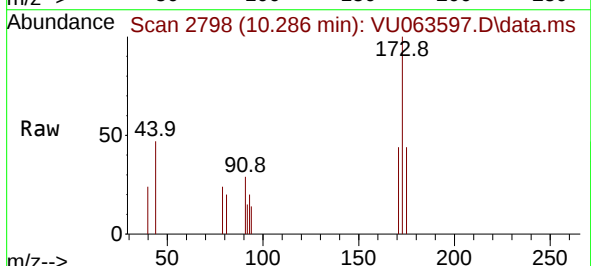
Tgt Ion:173 Resp: 1601

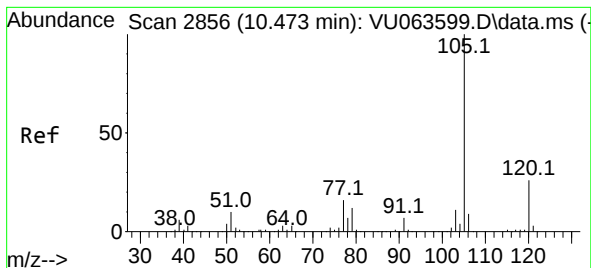
Ion Ratio Lower Upper

173 100

175 39.9 40.3 60.5#

254 4.0 6.4 9.6#





#60

Isopropylbenzene

Concen: 0.500 ug/L

RT: 10.479 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

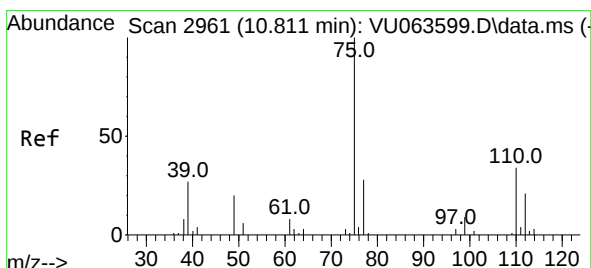
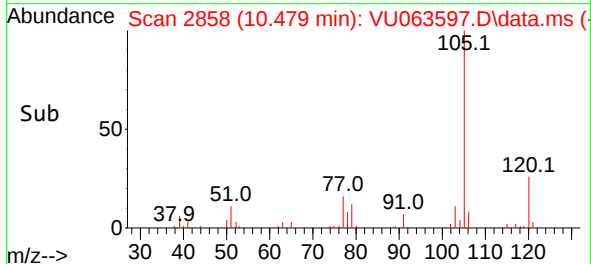
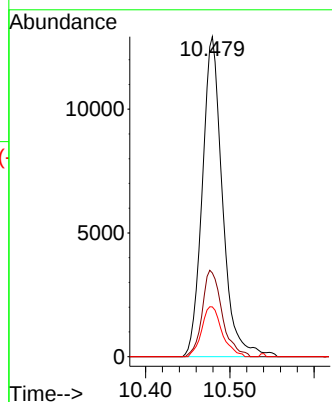
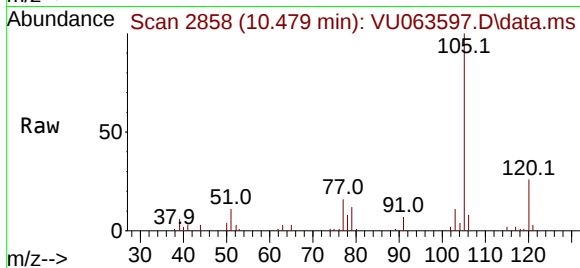
Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5021

Tgt Ion:	105	Resp:	21566
Ion Ratio	Lower	Upper	
105	100		
120	26.7	20.9	31.3
77	15.8	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 0.479 ug/L

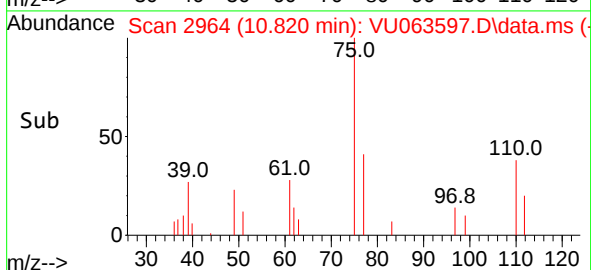
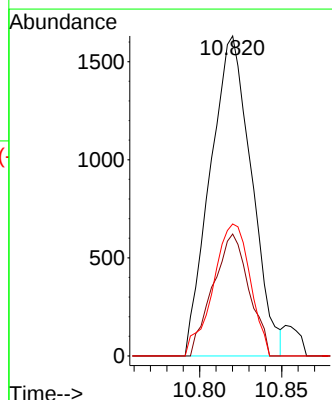
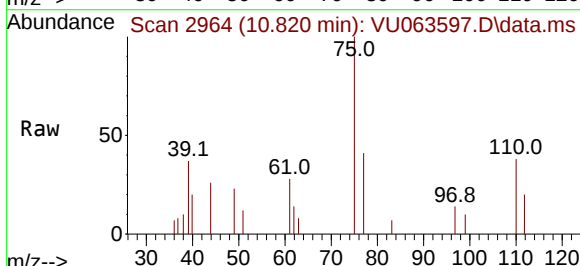
RT: 10.820 min Scan# 2964

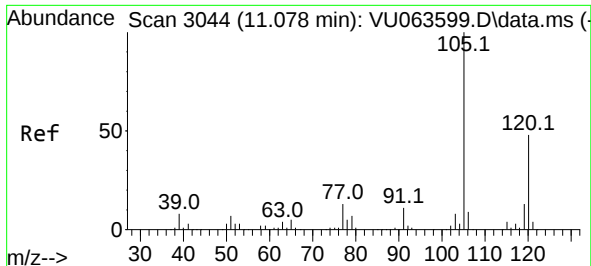
Delta R.T. 0.006 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Tgt Ion:	75	Resp:	2850
Ion Ratio	Lower	Upper	
75	100		
110	33.3	28.3	42.5
77	37.0	25.2	37.8





#62

1,3,5-Trimethylbenzene

Concen: 0.464 ug/L

RT: 11.084 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

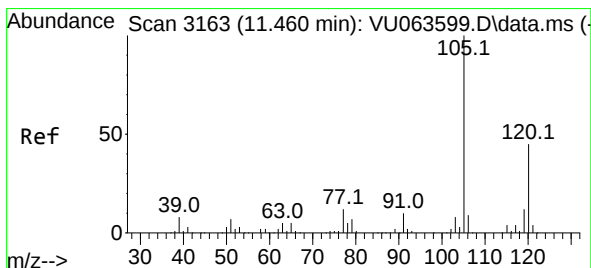
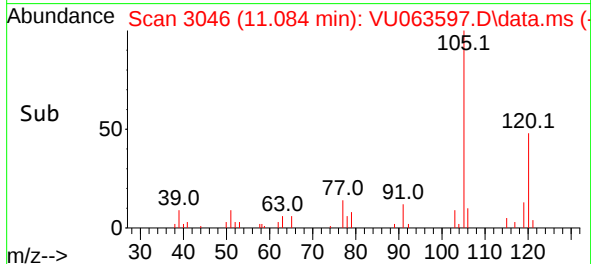
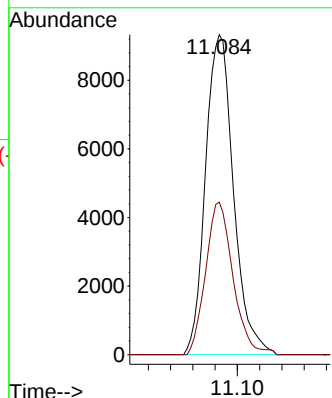
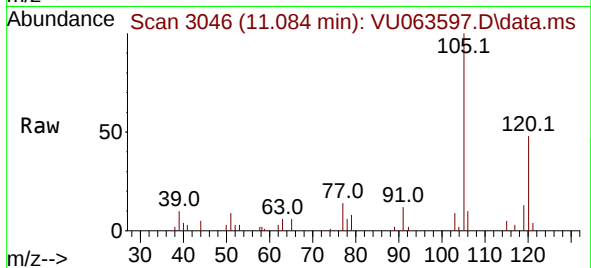
VSTD0.5021

Tgt Ion:105 Resp: 16291

Ion Ratio Lower Upper

105 100

120 46.6 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 0.446 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU063597.D

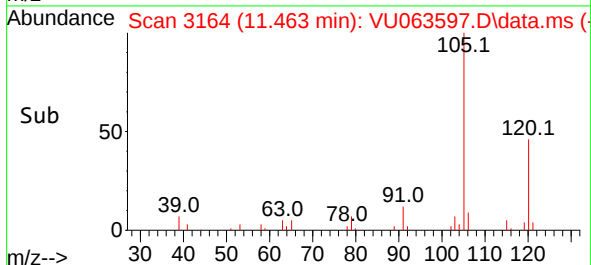
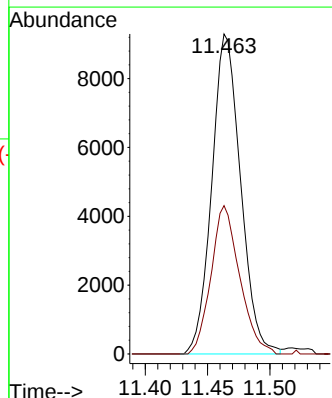
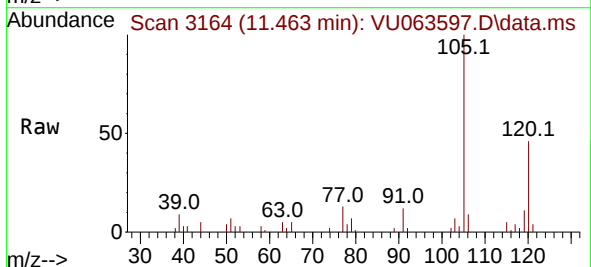
Acq: 17 Sep 2025 09:30

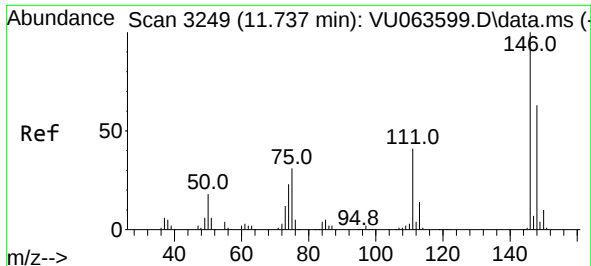
Tgt Ion:105 Resp: 14946

Ion Ratio Lower Upper

105 100

120 46.2 35.3 52.9

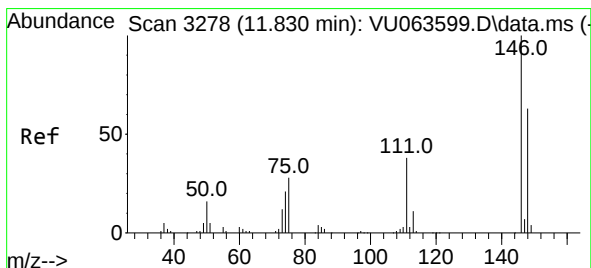
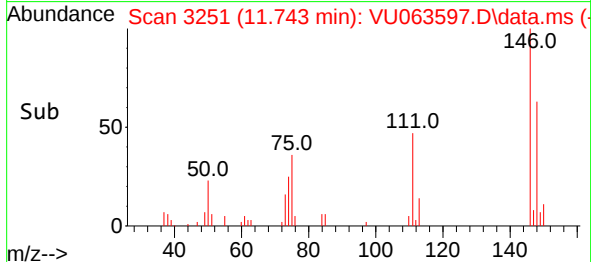
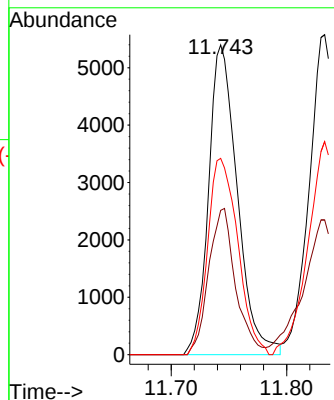
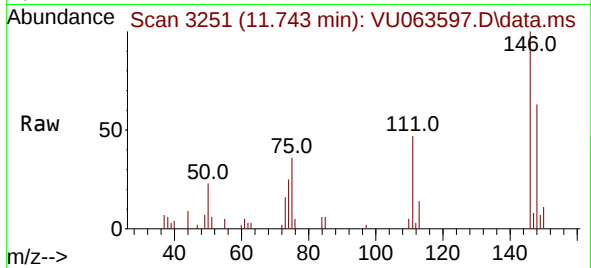




#64
 1,3-Dichlorobenzene
 Concen: 0.484 ug/L
 RT: 11.743 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063597.D
 Acq: 17 Sep 2025 09:30

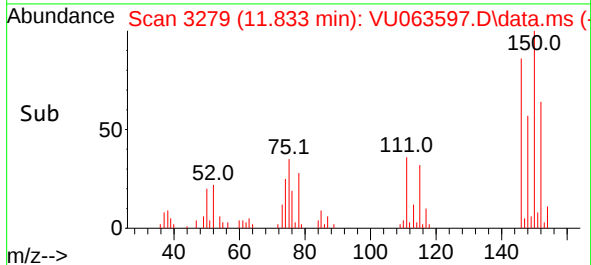
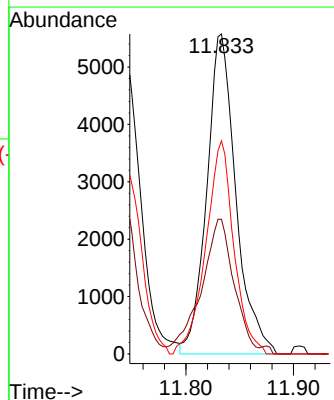
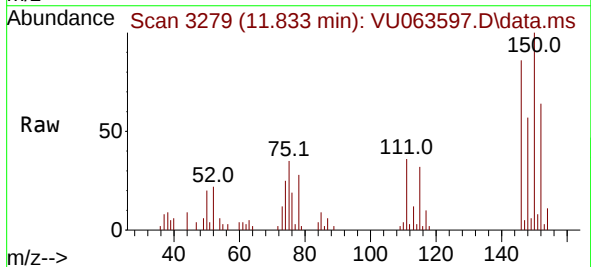
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5021

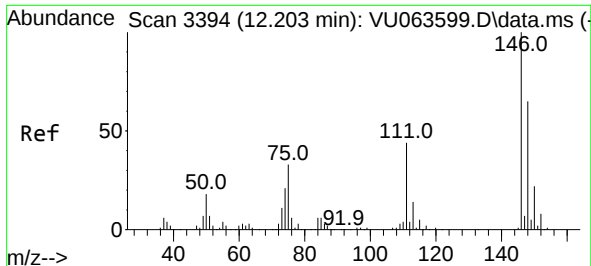
Tgt Ion:146 Resp: 9354
 Ion Ratio Lower Upper
 146 100
 111 46.6 29.0 53.8
 148 63.4 44.3 82.3



#65
 1,4-Dichlorobenzene
 Concen: 0.537 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.003 min
 Lab File: VU063597.D
 Acq: 17 Sep 2025 09:30

Tgt Ion:146 Resp: 10485
 Ion Ratio Lower Upper
 146 100
 111 42.1 27.2 50.4
 148 66.6 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 0.503 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5021

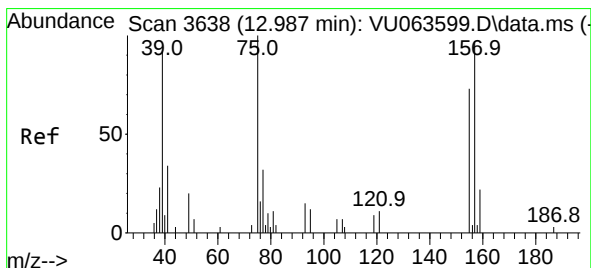
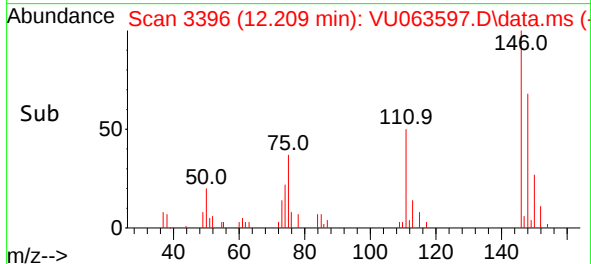
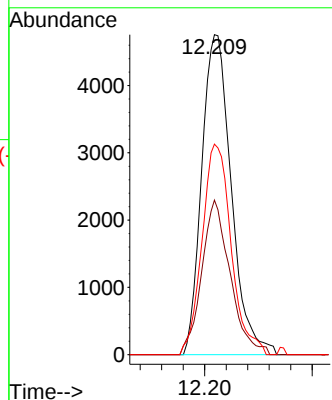
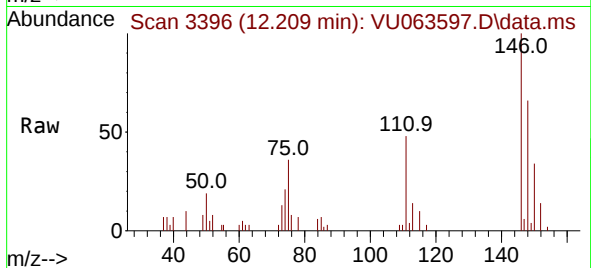
Tgt Ion:146 Resp: 9075

Ion Ratio Lower Upper

146 100

111 48.3 35.5 53.3

148 65.8 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.424 ug/L

RT: 13.000 min Scan# 3642

Delta R.T. 0.010 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

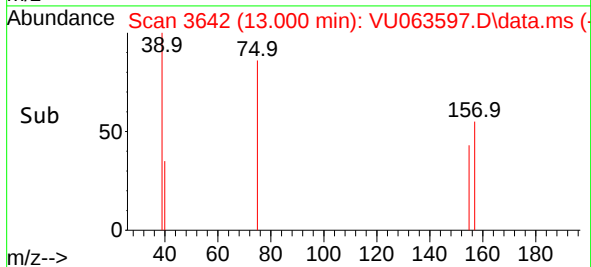
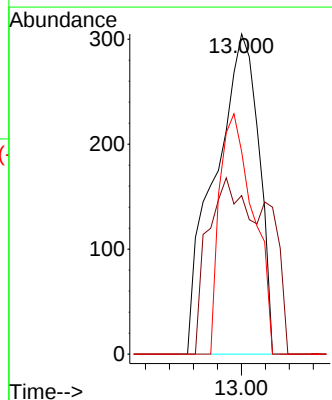
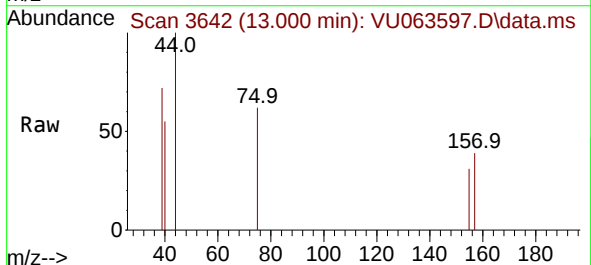
Tgt Ion: 75 Resp: 389

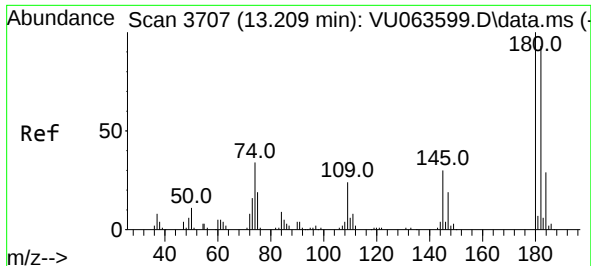
Ion Ratio Lower Upper

75 100

155 49.5 58.4 87.6#

157 63.3 77.8 116.8#





#69

1,3,5-Trichlorobenzene

Concen: 0.517 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5021

Tgt Ion:180 Resp: 7479

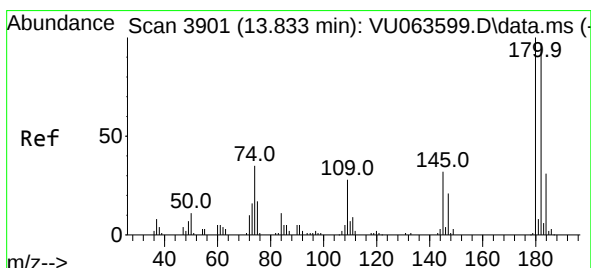
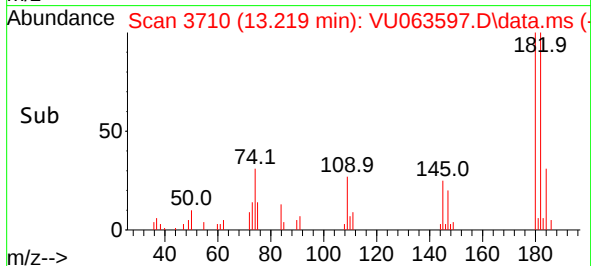
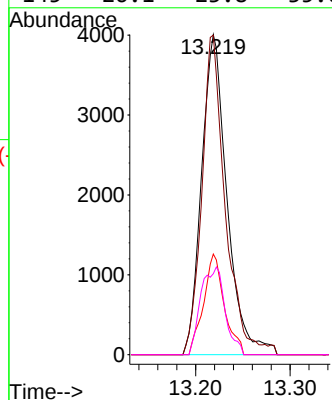
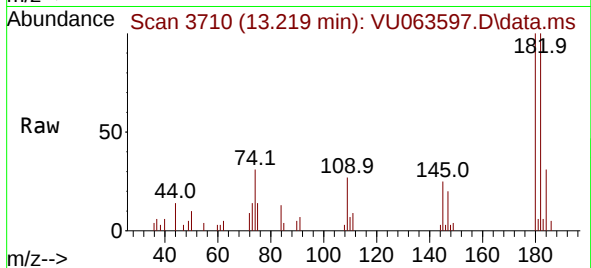
Ion Ratio Lower Upper

180 100

182 92.0 74.6 111.8

184 25.6 23.4 35.2

145 26.1 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 0.512 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.006 min

Lab File: VU063597.D

Acq: 17 Sep 2025 09:30

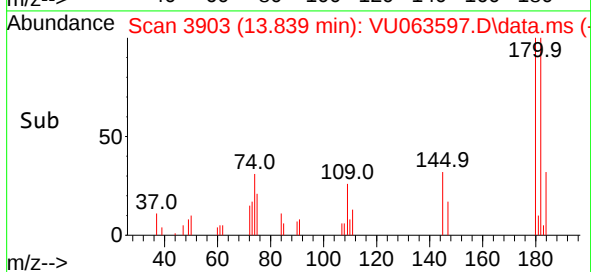
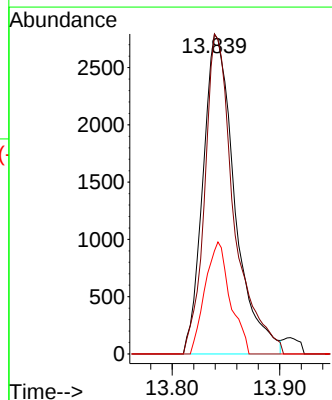
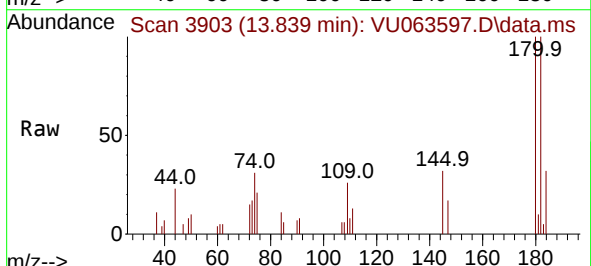
Tgt Ion:180 Resp: 5726

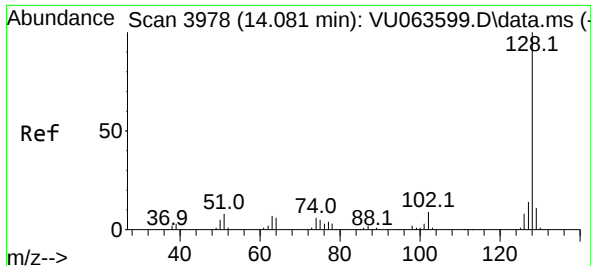
Ion Ratio Lower Upper

180 100

182 92.2 76.6 114.8

145 27.6 25.0 37.4

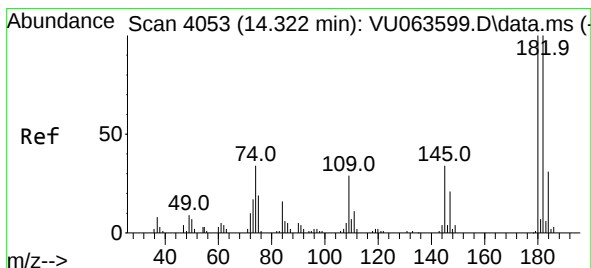
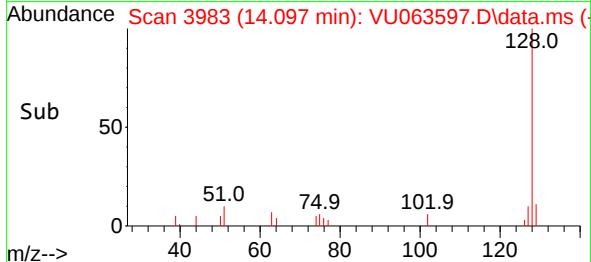
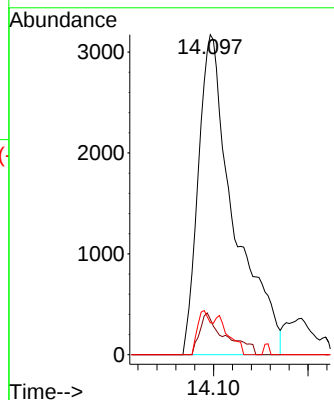
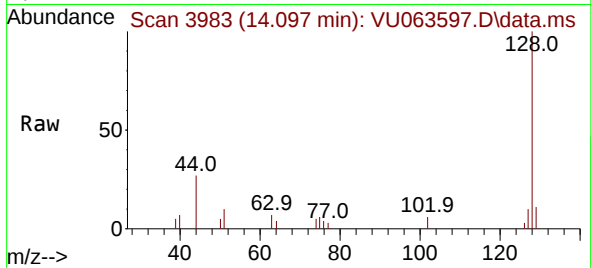




#71
Naphthalene
Concen: 0.495 ug/L
RT: 14.097 min Scan# 3978
Delta R.T. 0.013 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5021

Tgt Ion:128 Resp: 8272
Ion Ratio Lower Upper
128 100
129 9.3 8.8 13.2
127 5.4 11.0 16.4#



#72
1,2,3-Trichlorobenzene
Concen: 0.483 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU063597.D
Acq: 17 Sep 2025 09:30

Tgt Ion:180 Resp: 4632
Ion Ratio Lower Upper
180 100
182 100.7 78.2 117.2
145 36.6 26.0 39.0

