

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063624.D
 Acq On : 23 Sep 2025 09:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Quant Time: Sep 24 01:06:47 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	6.238	114	235314	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	227676	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	119131	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	76673	48.579	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.160%
7) Chloroethane-d5	1.895	69	66525	49.542	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.080%
11) 1,1-Dichloroethene-d2	2.554	63	141526	50.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.360%
21) 2-Butanone-d5	4.615	46	114666	105.295	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.290%
24) Chloroform-d	5.049	84	150913	51.103	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.689	65	99248	51.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.160%
32) Benzene-d6	5.714	84	280904	51.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.020%
36) 1,2-Dichloropropane-d6	6.679	67	91136	51.158	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.320%
41) Toluene-d8	7.888	98	257935	50.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.660%
43) trans-1,3-Dichloroprop...	8.171	79	31998	49.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.180%
47) 2-Hexanone-d5	8.624	63	69446	106.387	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.390%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	139814	50.968	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.940%
66) 1,2-Dichlorobenzene-d4	12.184	152	99813	49.857	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	67067	52.959	ug/L	98
3) Chloromethane	1.515	50	85768	52.535	ug/L	99
5) Vinyl chloride	1.596	62	103477	53.252	ug/L	98
6) Bromomethane	1.834	94	64386	52.299	ug/L	97
8) Chloroethane	1.917	64	69781	53.013	ug/L	99
9) Trichlorofluoromethane	2.123	101	151673	53.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	85643	54.992	ug/L	98
12) 1,1-Dichloroethene	2.567	96	73597	53.119	ug/L	96
13) Acetone	2.615	43	147593	113.563	ug/L	98
14) Carbon disulfide	2.779	76	191365	53.231	ug/L	99
15) Methyl Acetate	2.936	43	106495	55.238	ug/L	99
16) Methylene chloride	3.030	84	91968	52.499	ug/L	97
17) trans-1,2-Dichloroethene	3.338	96	81221	54.445	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	250501	51.908	ug/L	99
19) 1,1-Dichloroethane	3.853	63	163739	53.916	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	93996	53.805	ug/L	97
22) 2-Butanone	4.692	43	163569	108.906	ug/L	97
23) Bromochloromethane	4.959	128	48823	53.337	ug/L	98
25) Chloroform	5.071	83	174506	54.111	ug/L	99

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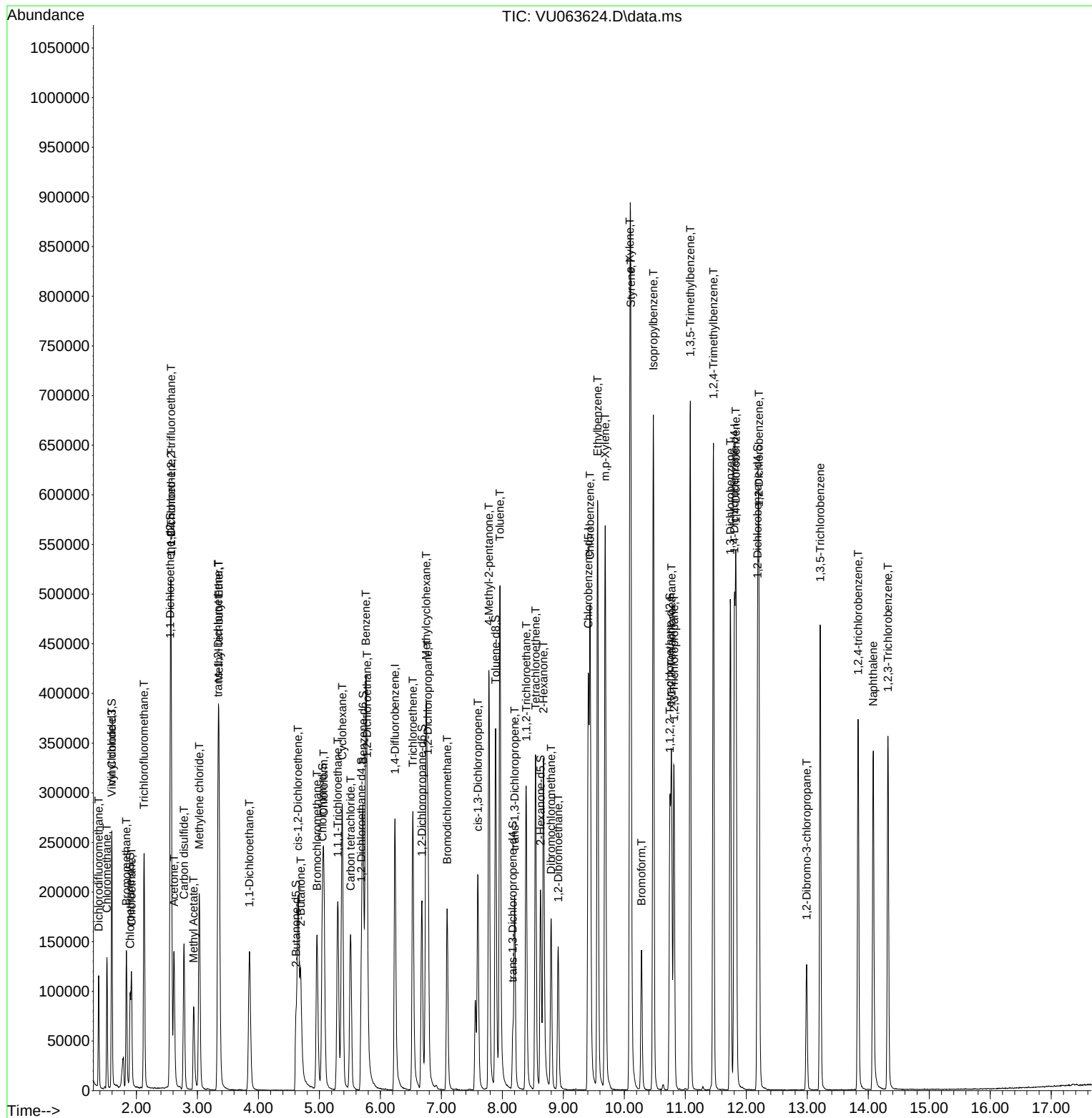
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	139489	52.347	ug/L	100
29) Cyclohexane	5.374	56	145701	54.447	ug/L	97
30) 1,1,1-Trichloroethane	5.300	97	135246	54.031	ug/L	98
31) Carbon tetrachloride	5.512	117	108424	54.659	ug/L	98
33) Benzene	5.759	78	364480	55.128	ug/L	100
34) Trichloroethene	6.531	95	100777	54.427	ug/L	98
35) Methylcyclohexane	6.750	83	143617	54.329	ug/L	98
37) 1,2-Dichloropropane	6.779	63	102318	55.878	ug/L	100
38) Bromodichloromethane	7.094	83	119075	54.846	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	130473	54.807	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	286429	108.569	ug/L	99
42) Toluene	7.959	91	396789	54.742	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	108162	53.510	ug/L	99
45) 1,1,2-Trichloroethane	8.390	97	98162	55.234	ug/L	96
46) Tetrachloroethene	8.544	164	73530	54.522	ug/L	98
48) 2-Hexanone	8.672	43	216563	108.508	ug/L	95
49) Dibromochloromethane	8.798	129	86885	54.615	ug/L	98
50) 1,2-Dibromoethane	8.914	107	99984	54.320	ug/L	100
51) Chlorobenzene	9.438	112	257869	53.762	ug/L	98
52) Ethylbenzene	9.560	91	442234	55.175	ug/L	100
53) m,p-Xylene	9.685	106	165161	55.238	ug/L	99
54) o-Xylene	10.090	106	164179	55.102	ug/L	94
55) Styrene	10.107	104	273709	56.211	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	161444	53.743	ug/L	100
59) Bromoform	10.280	173	61503	53.016	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	134478	53.543	ug/L	99
61) Isopropylbenzene	10.476	105	442782	54.494	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	368683	55.173	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	356510	55.031	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	199762	53.946	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	201338	53.743	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	192836	52.959	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	31076	55.168	ug/L	91
69) 1,3,5-Trichlorobenzene	13.212	180	139809	54.005	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	111687	52.255	ug/L	100
71) Naphthalene	14.081	128	288717	49.718	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	105373	51.437	ug/L	99

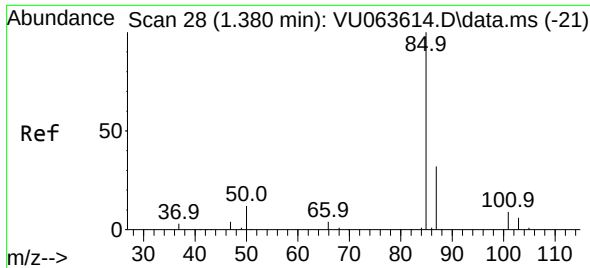
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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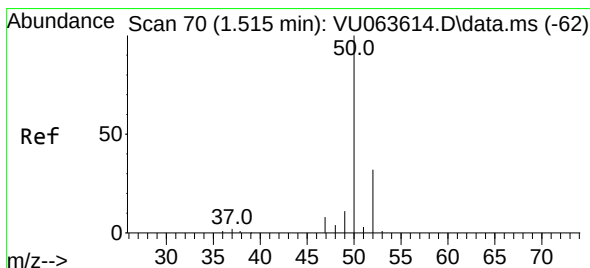
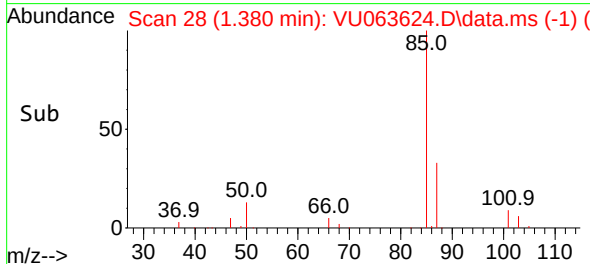
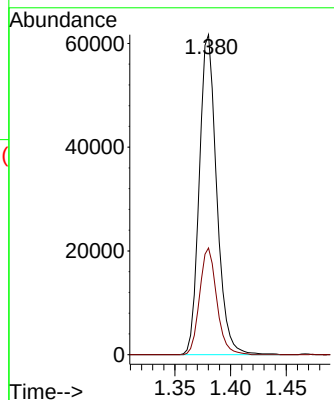
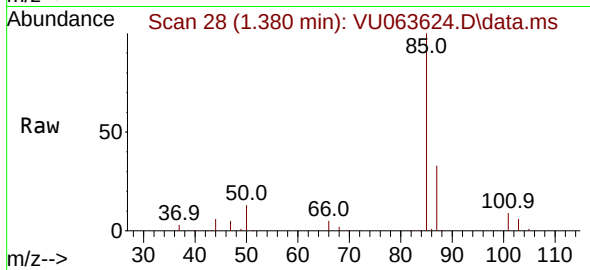




#2
 Dichlorodifluoromethane
 Concen: 52.959 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

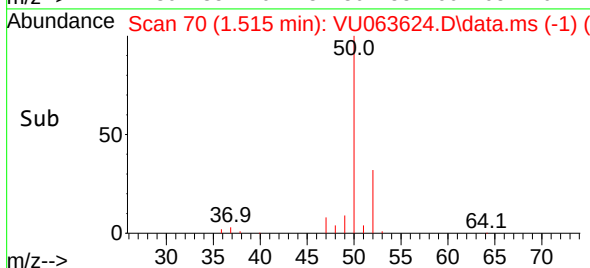
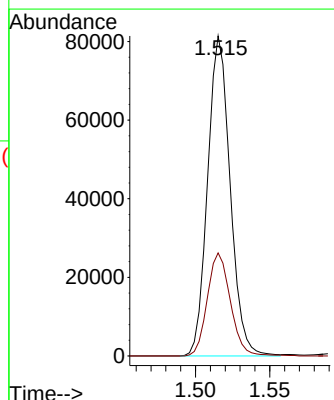
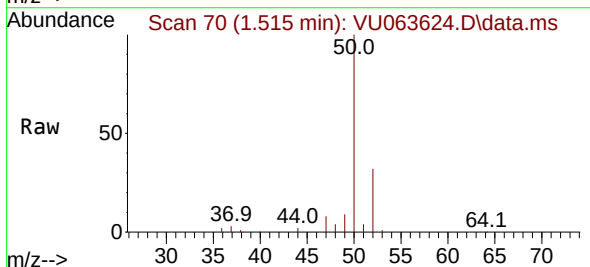
Instrument :
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 ClientSampleId :
 VSTD050110

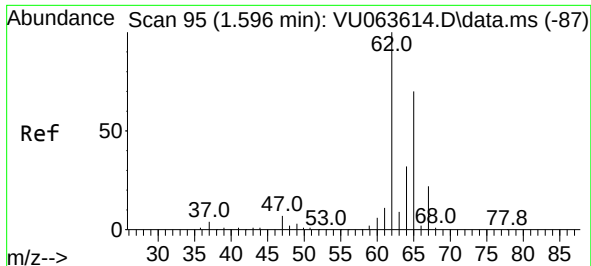
Tgt Ion: 85 Resp: 67067
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.5 38.3



#3
 Chloromethane
 Concen: 52.535 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

Tgt Ion: 50 Resp: 85768
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.2 41.2

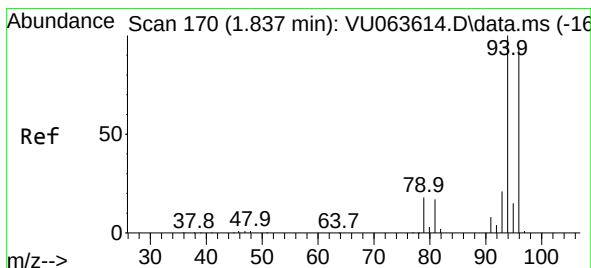
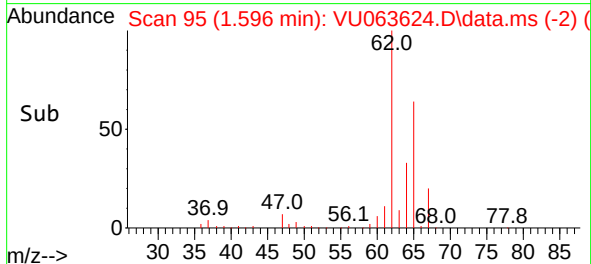
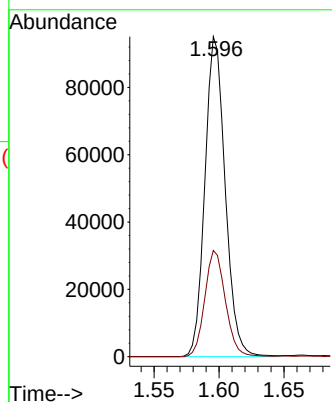
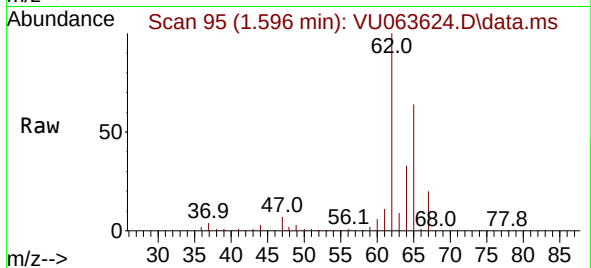




#5
 Vinyl chloride
 Concen: 53.252 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

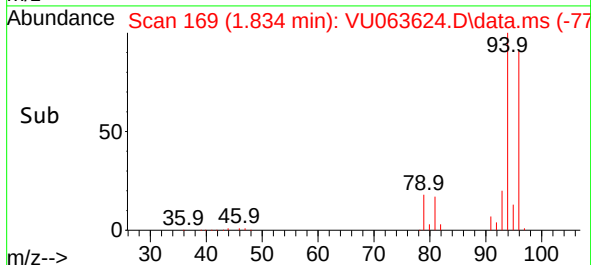
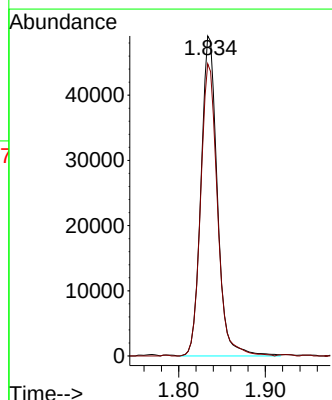
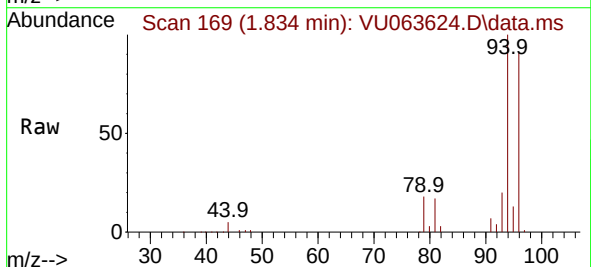
Instrument :
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 ClientSampleId :
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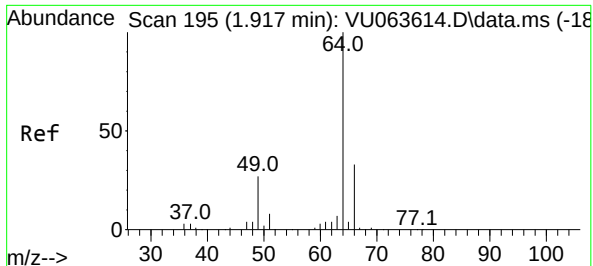
Tgt Ion: 62 Resp: 103477
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.5 41.7



#6
 Bromomethane
 Concen: 52.299 ug/L
 RT: 1.834 min Scan# 169
 Delta R.T. -0.003 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

Tgt Ion: 94 Resp: 64386
 Ion Ratio Lower Upper
 94 100
 96 91.3 65.7 122.1

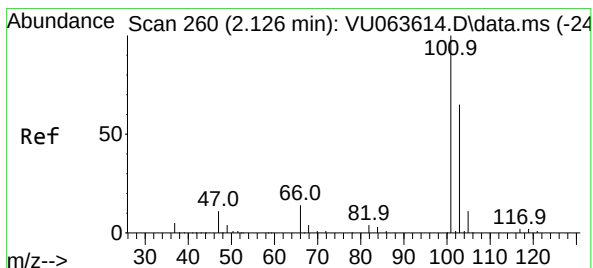
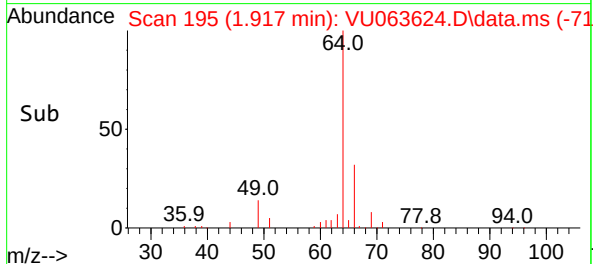
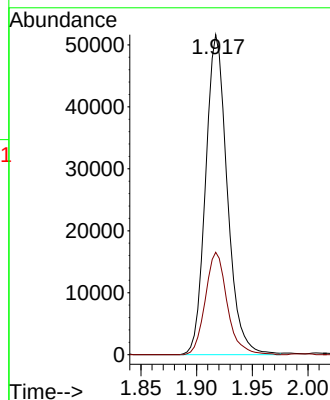
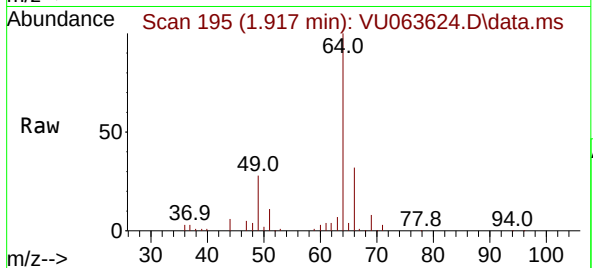




#8
Chloroethane
Concen: 53.013 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

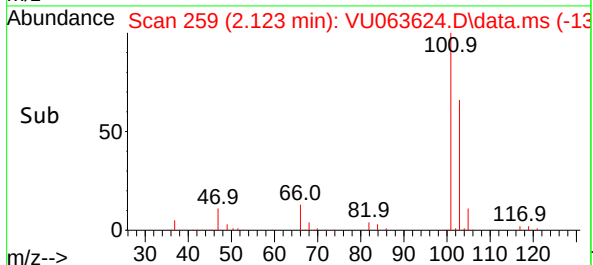
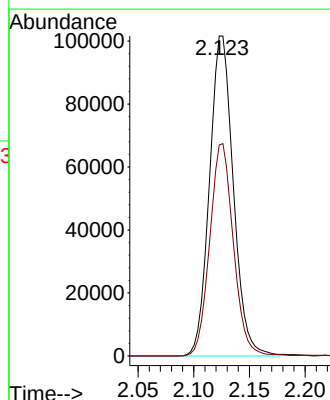
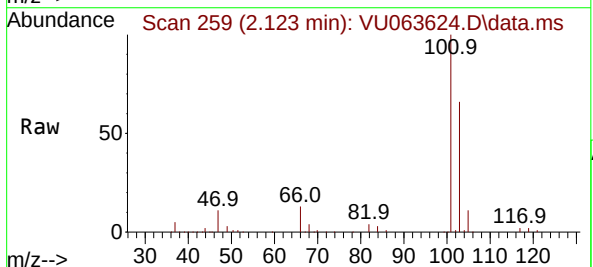
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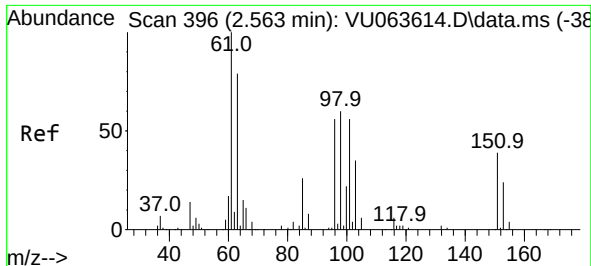
Tgt Ion: 64 Resp: 69781
Ion Ratio Lower Upper
64 100
66 32.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 53.579 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion:101 Resp: 151673
Ion Ratio Lower Upper
101 100
103 65.4 51.1 76.7

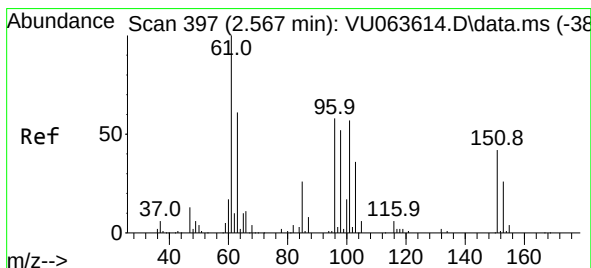
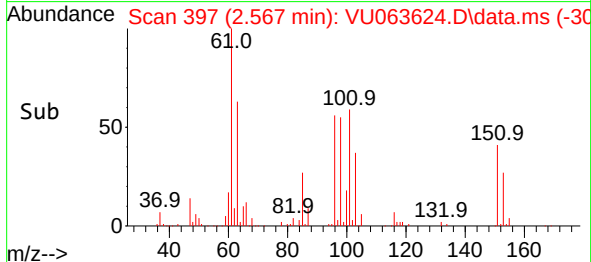
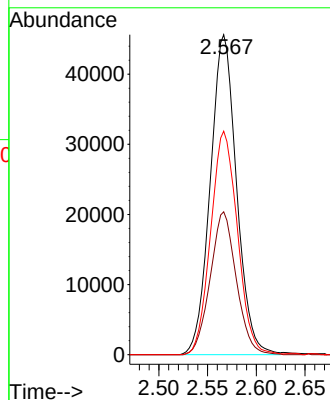
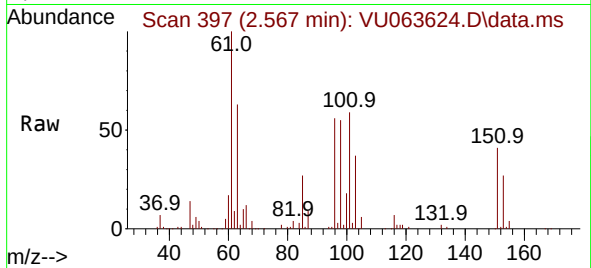




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 54.992 ug/L
 RT: 2.567 min Scan# 396
 Delta R.T. 0.003 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

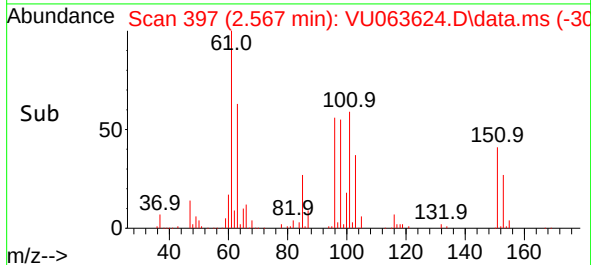
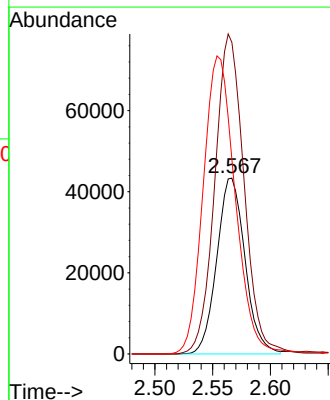
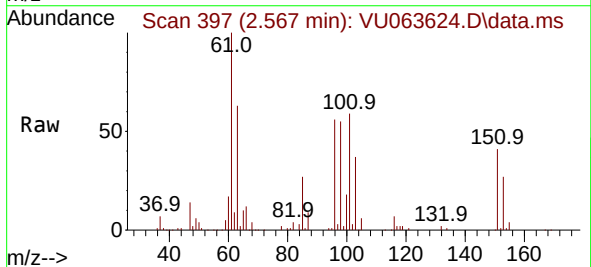
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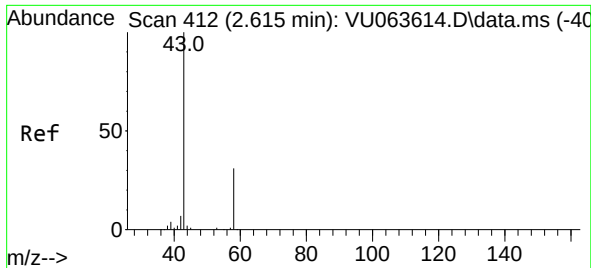
Tgt Ion:101 Resp: 85643
 Ion Ratio Lower Upper
 101 100
 85 44.3 36.8 55.2
 151 71.1 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 53.119 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

Tgt Ion: 96 Resp: 73597
 Ion Ratio Lower Upper
 96 100
 61 177.2 121.4 225.4
 63 110.8 81.5 151.3





#13

Acetone

Concen: 113.563 ug/L

RT: 2.615 min Scan# 412

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

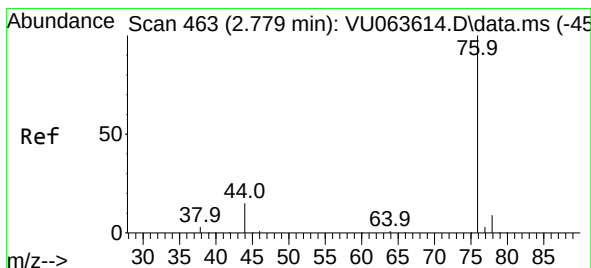
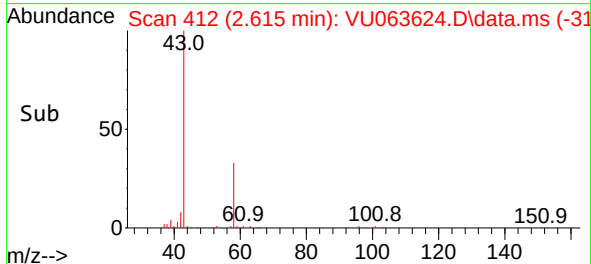
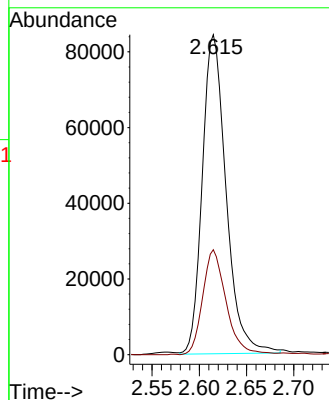
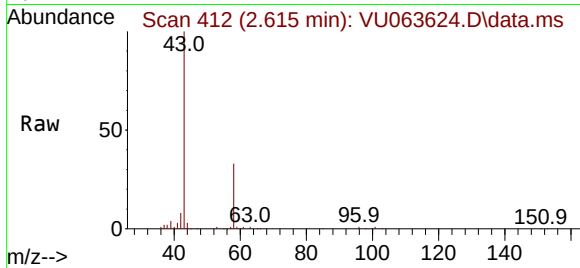
VSTD050110

Tgt Ion: 43 Resp: 147593

Ion Ratio Lower Upper

43 100

58 32.4 0.0 62.4



#14

Carbon disulfide

Concen: 53.231 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

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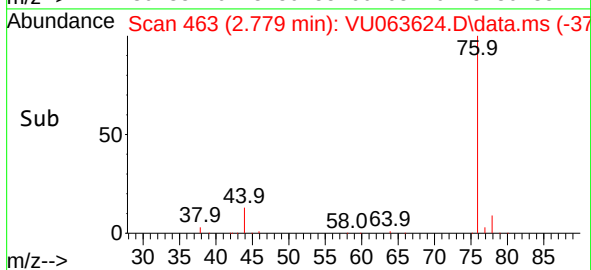
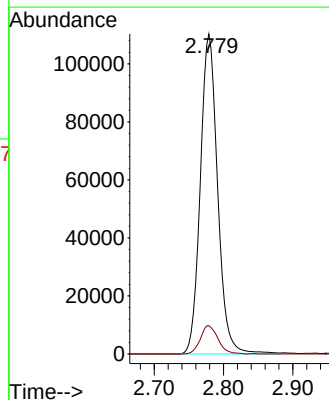
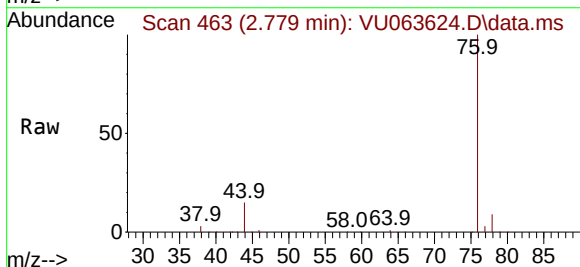
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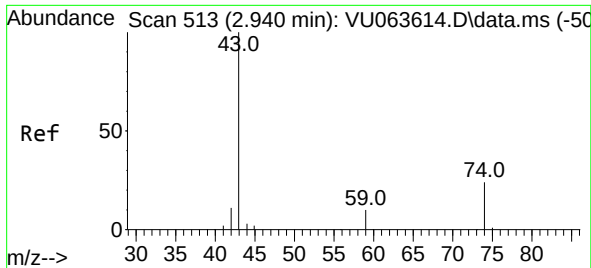
Tgt Ion: 76 Resp: 191365

Ion Ratio Lower Upper

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78 8.9 7.4 11.2

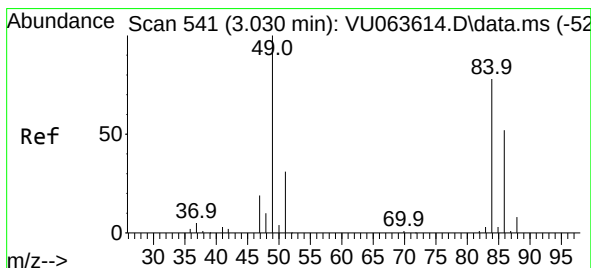
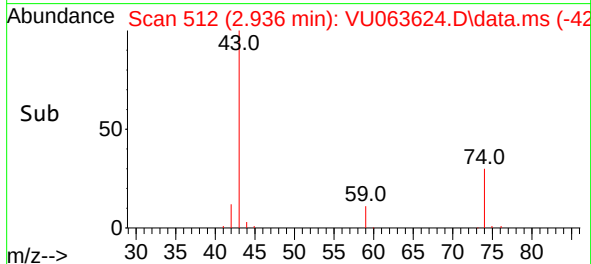
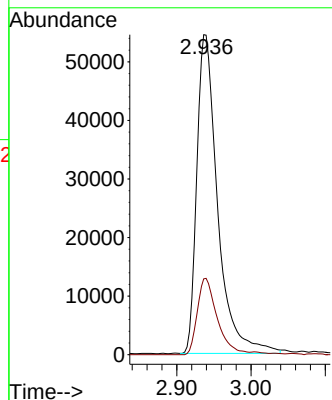
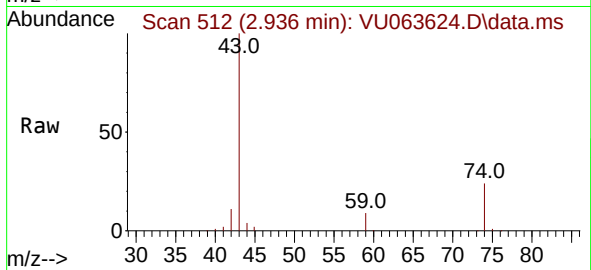




#15
Methyl Acetate
Concen: 55.238 ug/L
RT: 2.936 min Scan# 513
Delta R.T. -0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

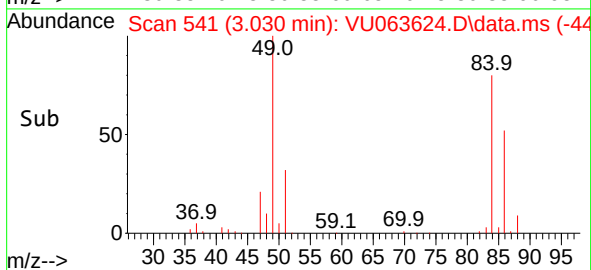
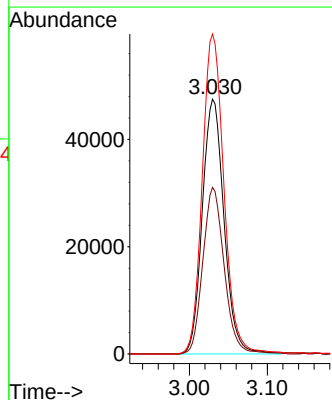
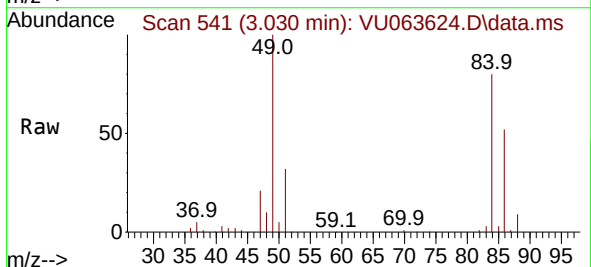
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

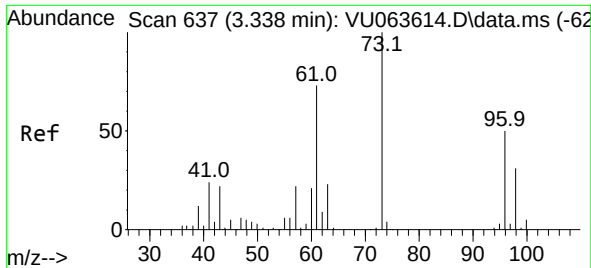
Tgt Ion: 43 Resp: 106495
Ion Ratio Lower Upper
43 100
74 22.8 18.0 27.0



#16
Methylene chloride
Concen: 52.499 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion: 84 Resp: 91968
Ion Ratio Lower Upper
84 100
86 65.4 47.2 87.6
49 125.5 90.2 167.4



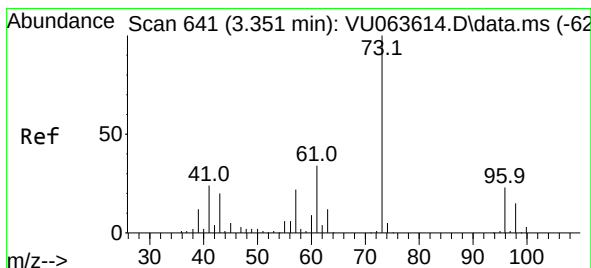
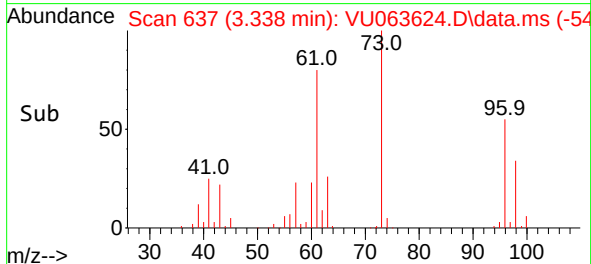
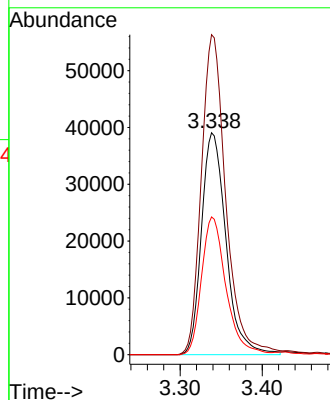
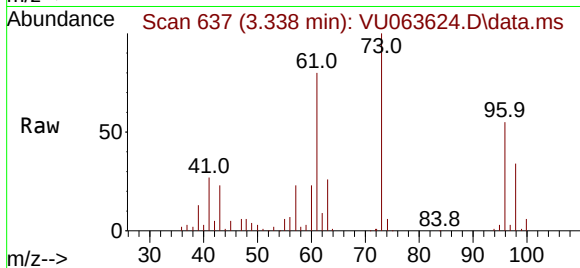


#17
 trans-1,2-Dichloroethene
 Concen: 54.445 ug/L
 RT: 3.338 min Scan# 617
 Delta R.T. -0.000 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Tgt Ion: 96 Resp: 81221

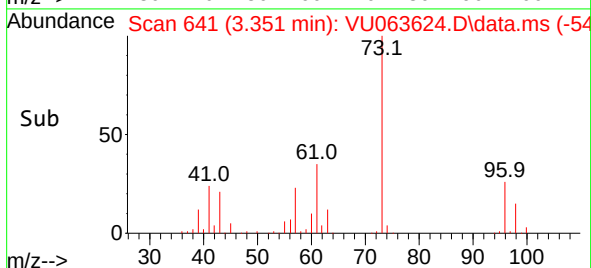
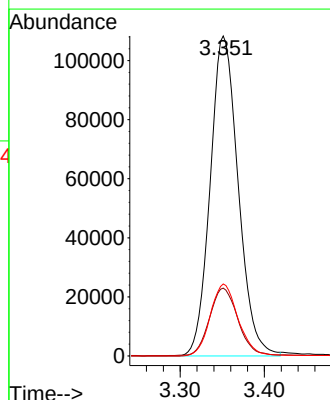
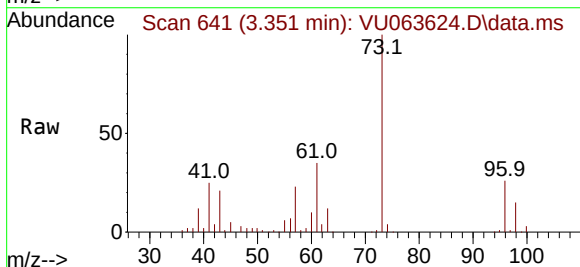
Ion	Ratio	Lower	Upper
96	100		
61	144.1	102.2	189.8
98	62.0	43.7	81.1

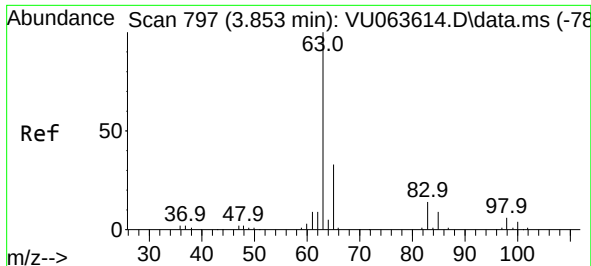


#18
 Methyl tert-butyl Ether
 Concen: 51.908 ug/L
 RT: 3.351 min Scan# 641
 Delta R.T. -0.000 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

Tgt Ion: 73 Resp: 250501

Ion	Ratio	Lower	Upper
73	100		
43	21.5	16.5	24.7
57	22.4	17.8	26.6





#19

1,1-Dichloroethane

Concen: 53.916 ug/L

RT: 3.853 min Scan# 797

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

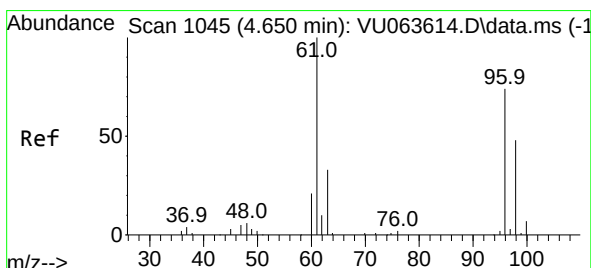
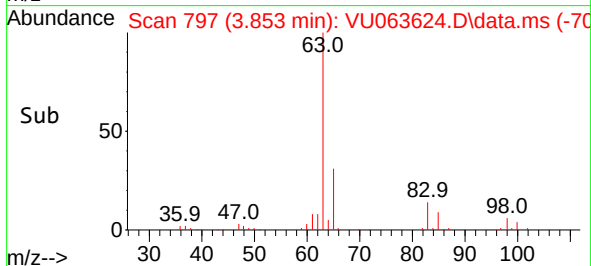
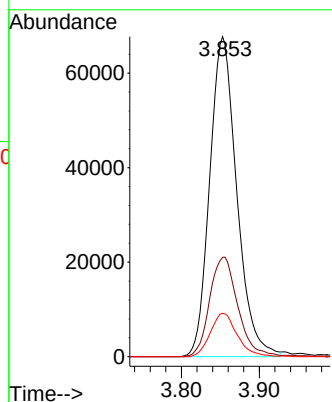
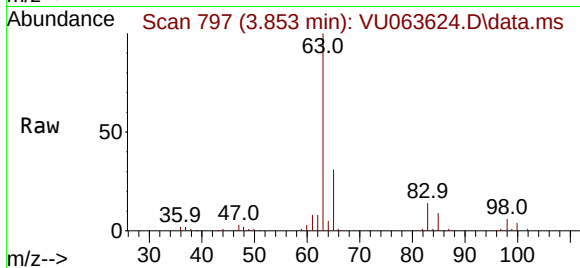
Tgt Ion: 63 Resp: 163739

Ion Ratio Lower Upper

63 100

65 31.1 23.0 42.8

83 13.6 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 53.805 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

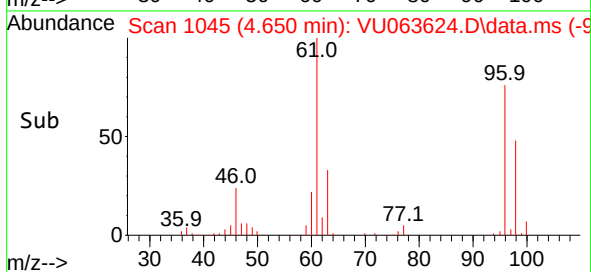
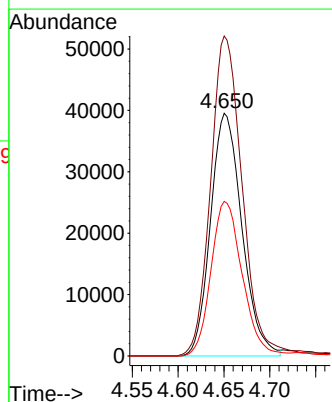
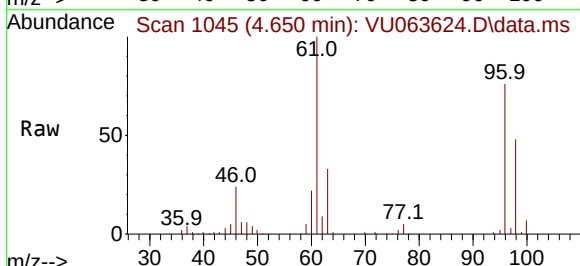
Tgt Ion: 96 Resp: 93996

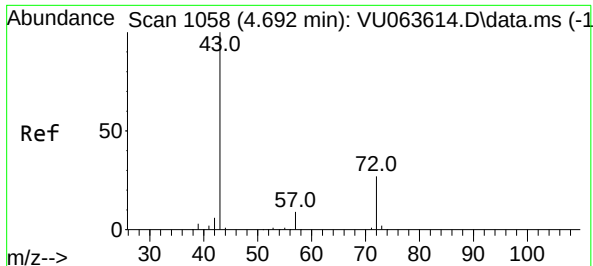
Ion Ratio Lower Upper

96 100

61 131.8 95.5 177.3

98 63.7 46.1 85.7

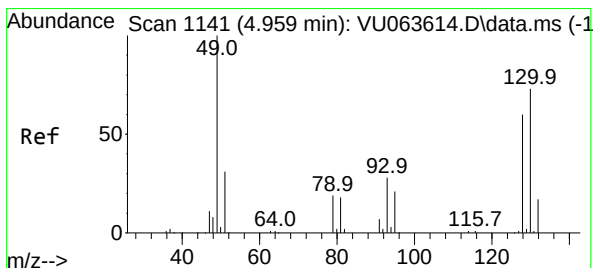
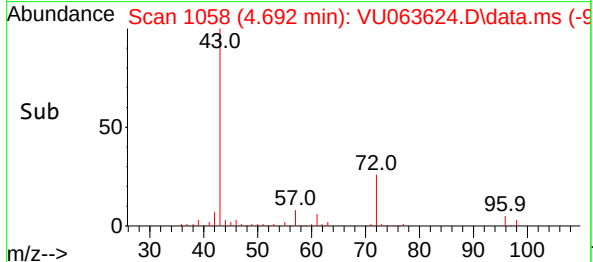
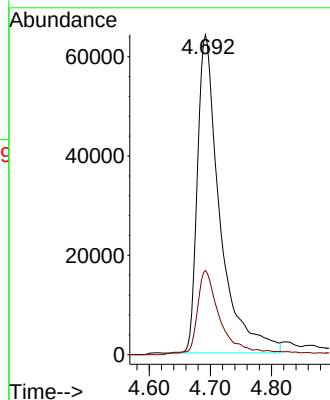
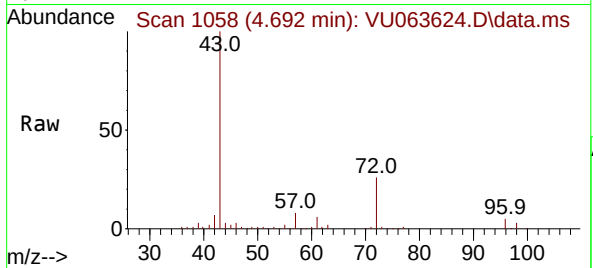




#22
2-Butanone
Concen: 108.906 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

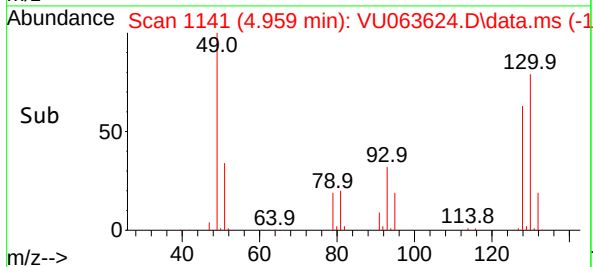
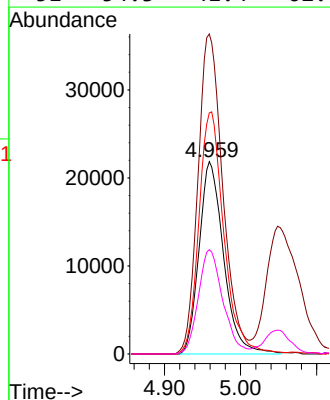
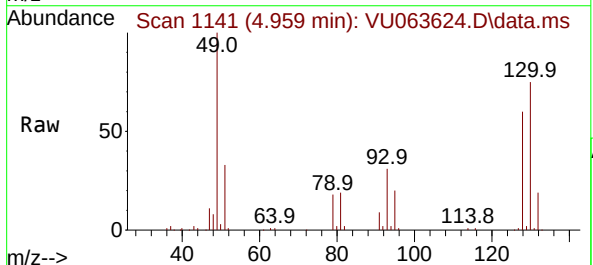
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

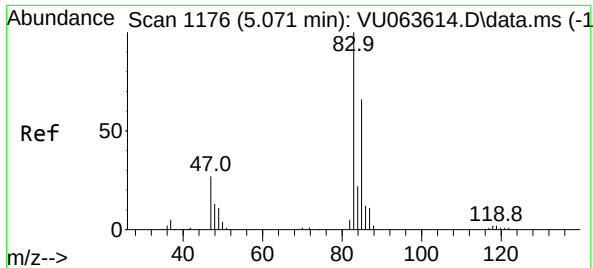
Tgt Ion: 43 Resp: 163569
Ion Ratio Lower Upper
43 100
72 23.7 12.7 38.1



#23
Bromochloromethane
Concen: 53.337 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion:128 Resp: 48823
Ion Ratio Lower Upper
128 100
49 166.4 116.6 216.5
130 125.4 85.6 159.0
51 54.3 41.4 62.0

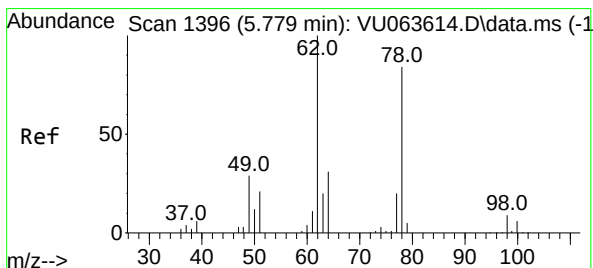
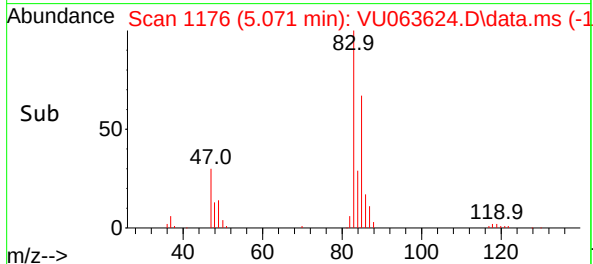
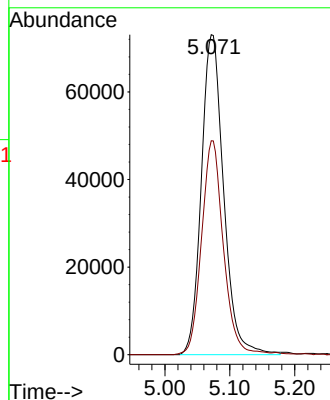
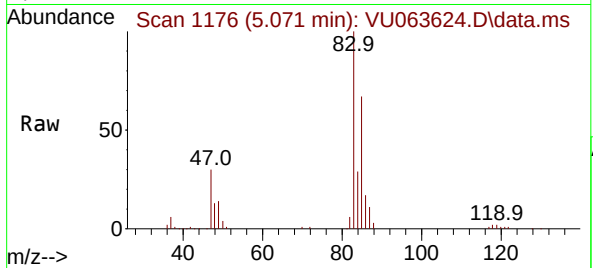




#25
Chloroform
Concen: 54.111 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

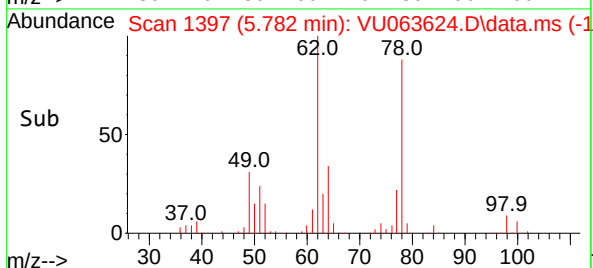
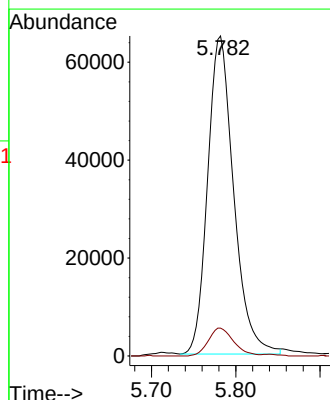
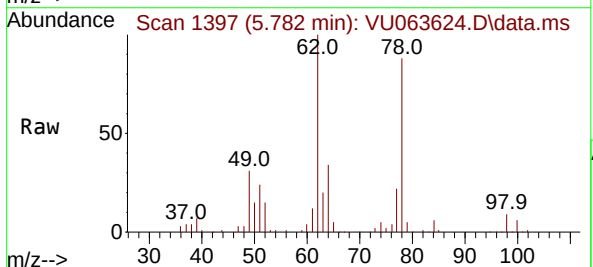
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

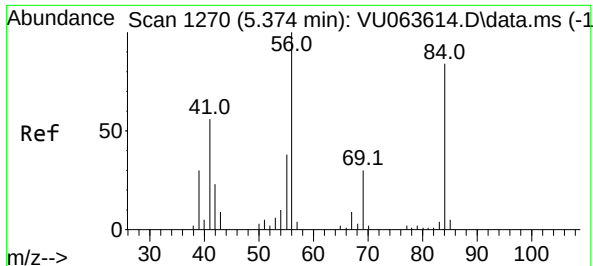
Tgt Ion: 83 Resp: 174506
Ion Ratio Lower Upper
83 100
85 66.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 52.347 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion: 62 Resp: 139489
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7





#29

Cyclohexane

Concen: 54.447 ug/L

RT: 5.374 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

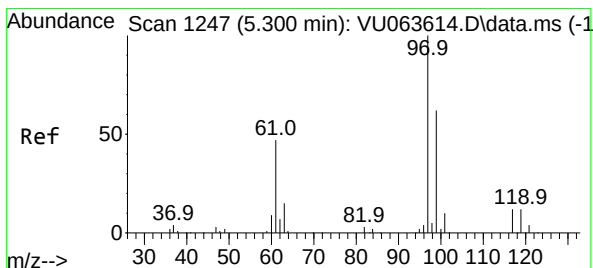
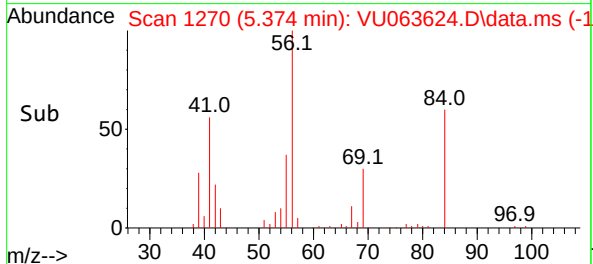
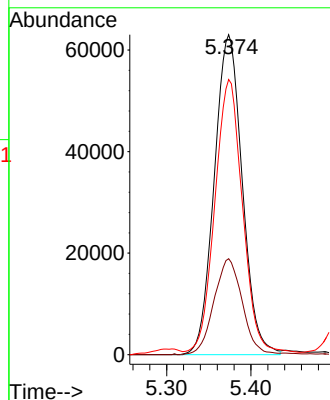
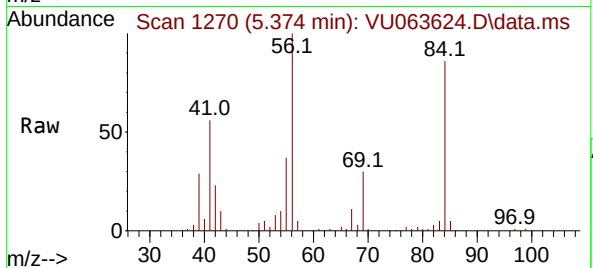
Tgt Ion: 56 Resp: 145701

Ion Ratio Lower Upper

56 100

69 30.1 24.0 36.0

84 86.2 65.7 98.5



#30

1,1,1-Trichloroethane

Concen: 54.031 ug/L

RT: 5.300 min Scan# 1247

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

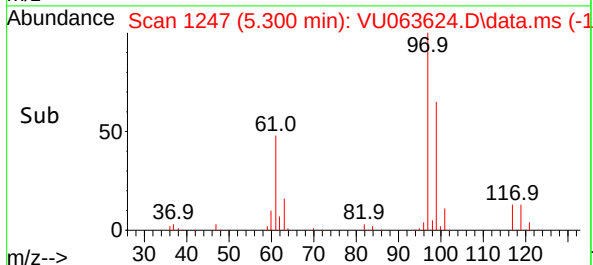
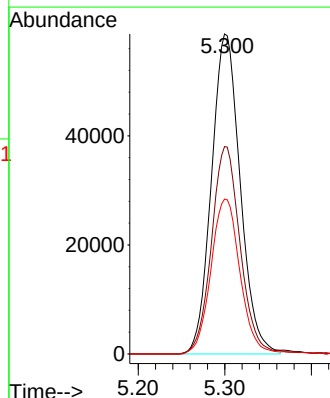
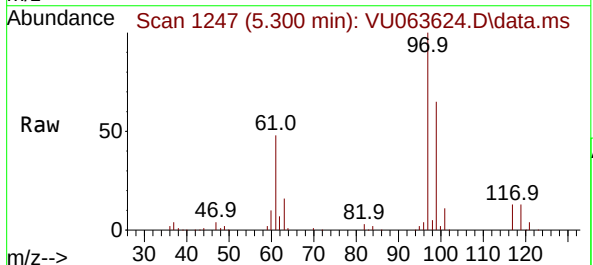
Tgt Ion: 97 Resp: 135246

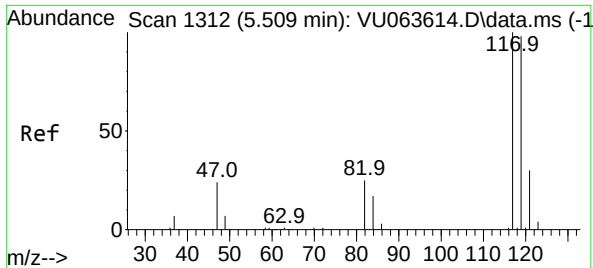
Ion Ratio Lower Upper

97 100

99 64.4 50.6 75.8

61 48.9 38.0 57.0

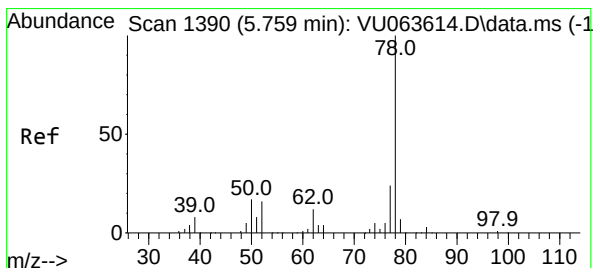
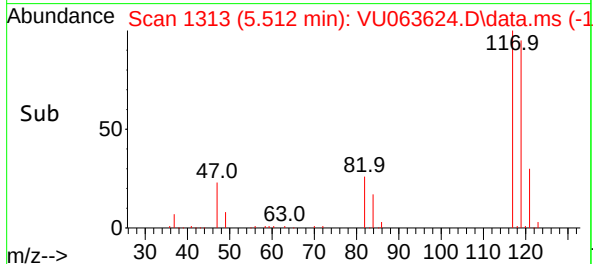
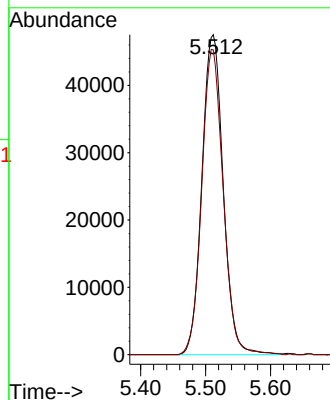
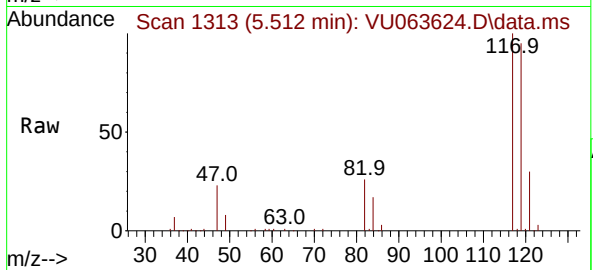




#31
Carbon tetrachloride
Concen: 54.659 ug/L
RT: 5.512 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

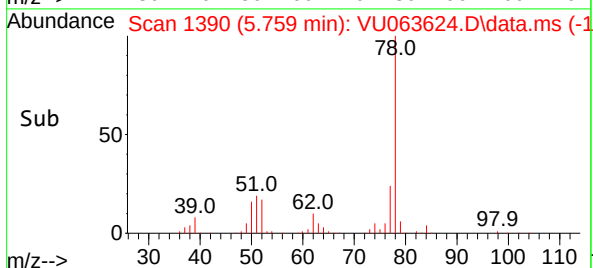
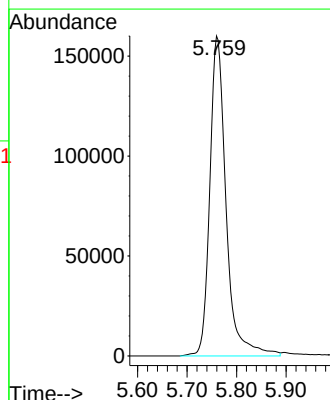
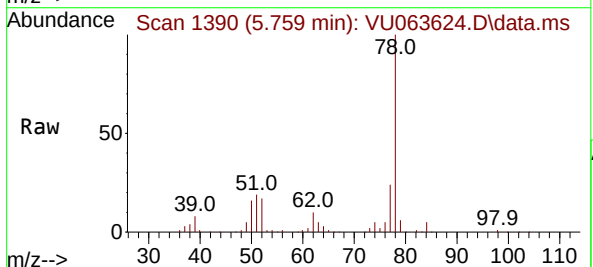
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

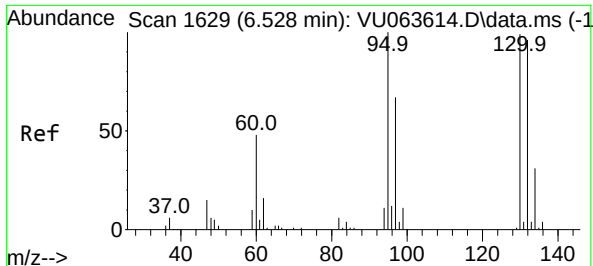
Tgt Ion:117 Resp: 108424
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.6



#33
Benzene
Concen: 55.128 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion: 78 Resp: 364480





#34

Trichloroethene

Concen: 54.427 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

Tgt Ion: 95 Resp: 100777

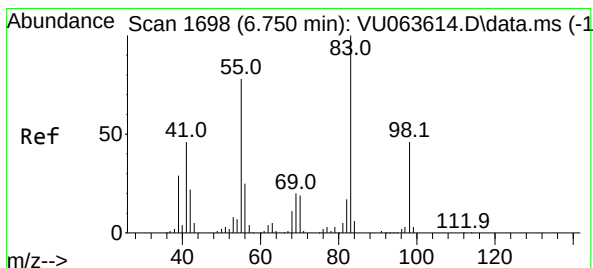
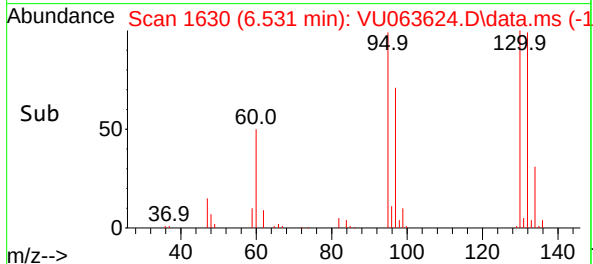
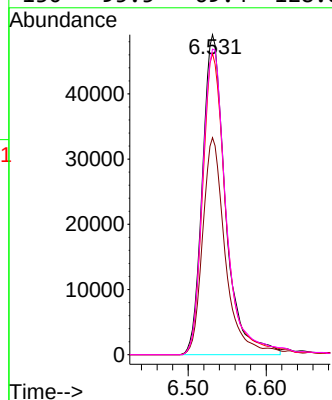
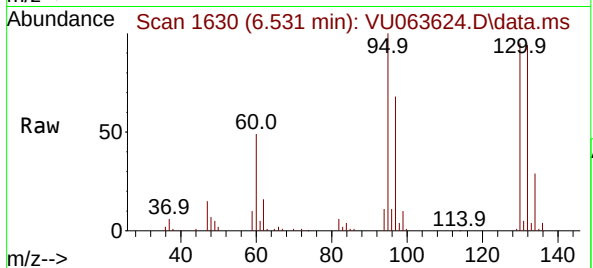
Ion Ratio Lower Upper

95 100

97 67.8 46.6 86.6

132 94.1 66.8 124.2

130 95.5 69.4 128.8



#35

Methylcyclohexane

Concen: 54.329 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

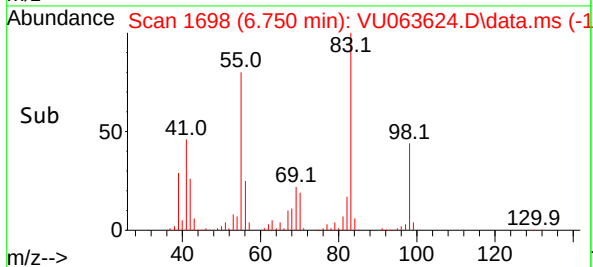
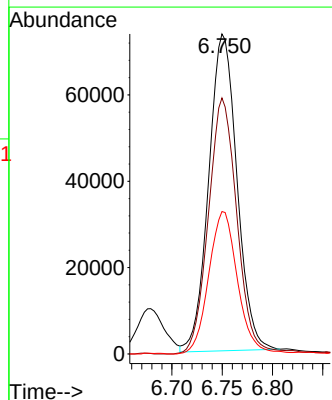
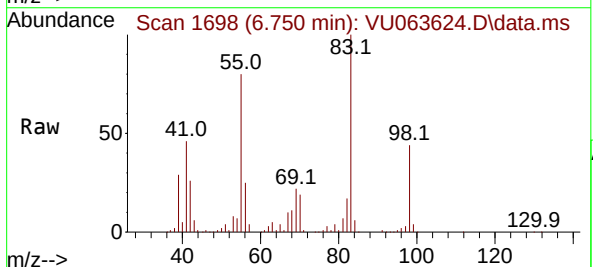
Tgt Ion: 83 Resp: 143617

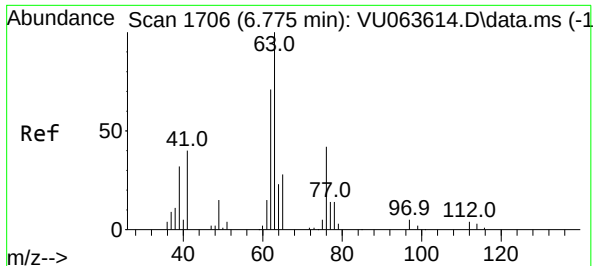
Ion Ratio Lower Upper

83 100

55 81.5 63.4 95.0

98 45.9 37.3 55.9

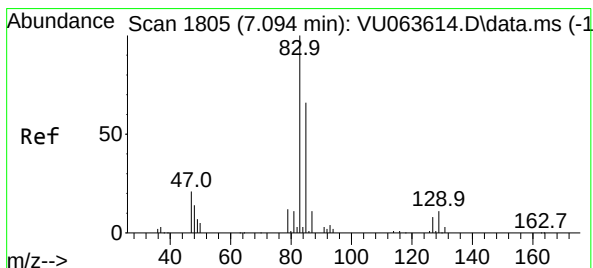
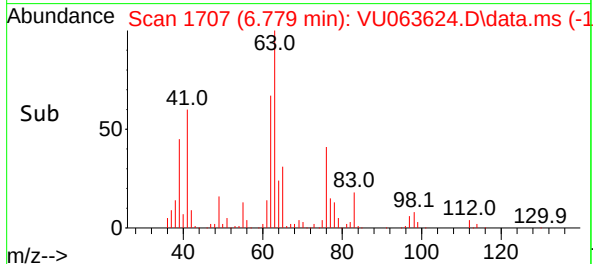
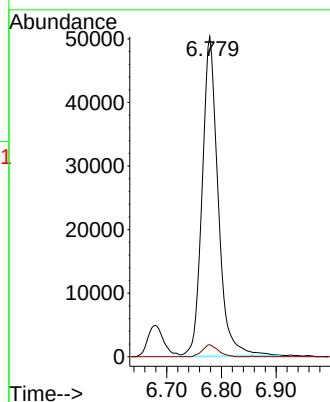
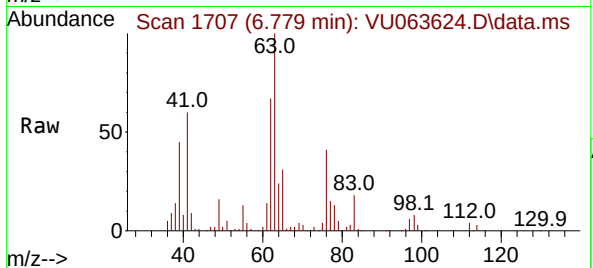




#37
1,2-Dichloropropane
Concen: 55.878 ug/L
RT: 6.779 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

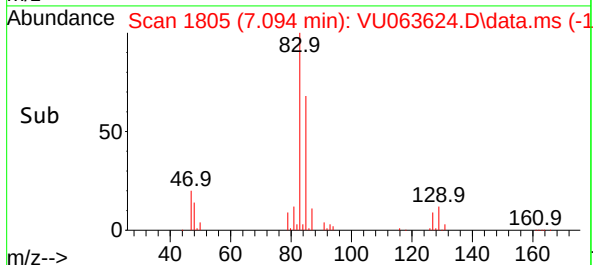
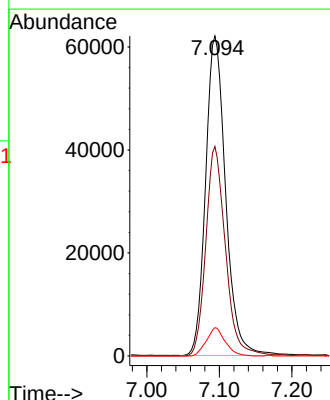
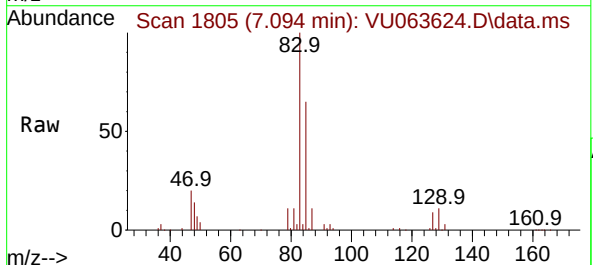
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

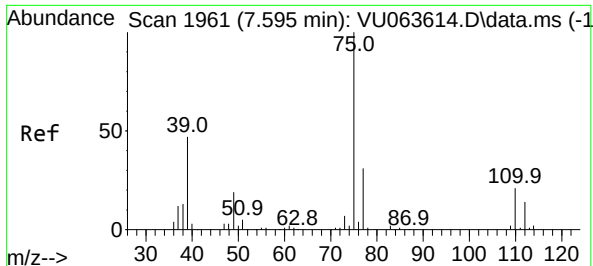
Tgt Ion: 63 Resp: 102318
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.6



#38
Bromodichloromethane
Concen: 54.846 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion: 83 Resp: 119075
Ion Ratio Lower Upper
83 100
85 65.5 45.9 85.3
127 8.9 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 54.807 ug/L

RT: 7.599 min Scan# 1961

Delta R.T. 0.003 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

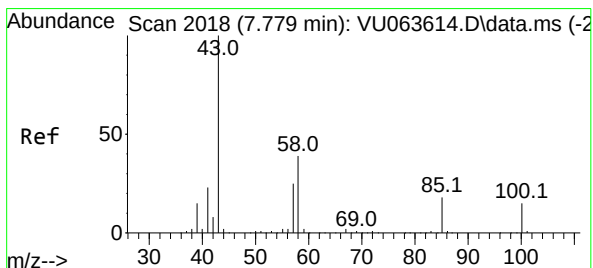
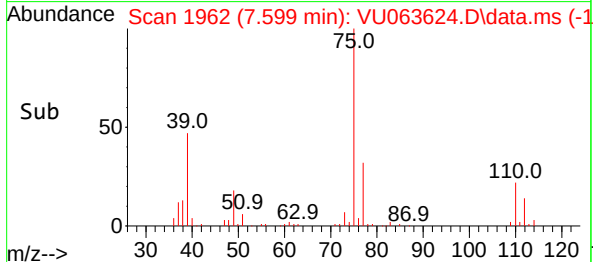
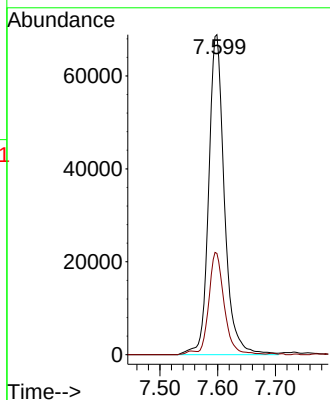
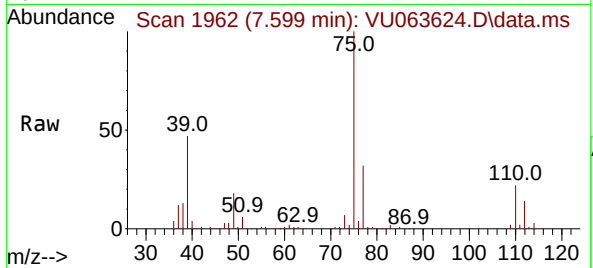
VSTD050110

Tgt Ion: 75 Resp: 130473

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 108.569 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

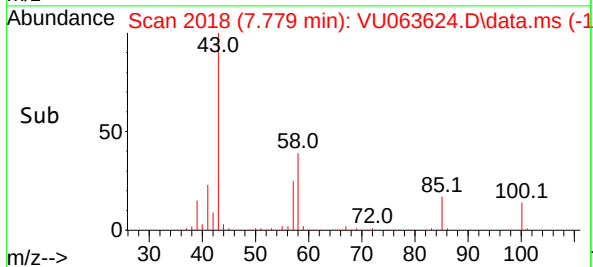
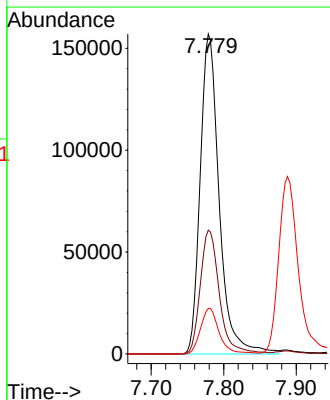
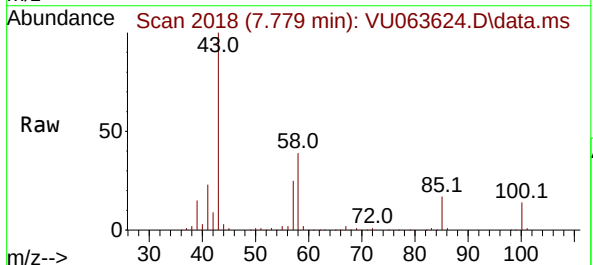
Tgt Ion: 43 Resp: 286429

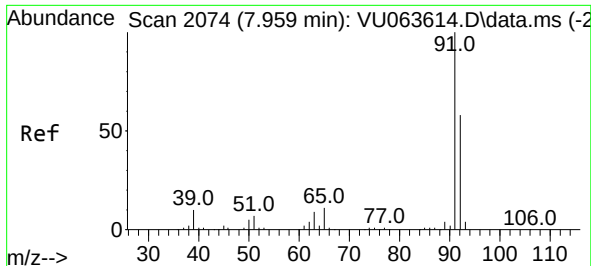
Ion Ratio Lower Upper

43 100

58 38.9 30.9 46.3

100 14.0 11.4 17.2





#42

Toluene

Concen: 54.742 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

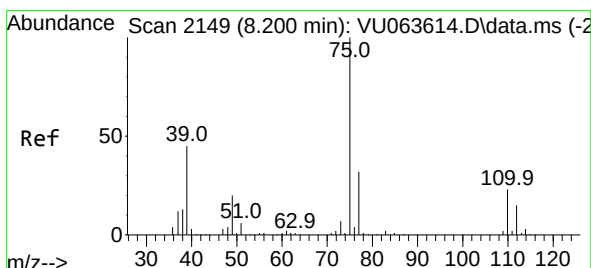
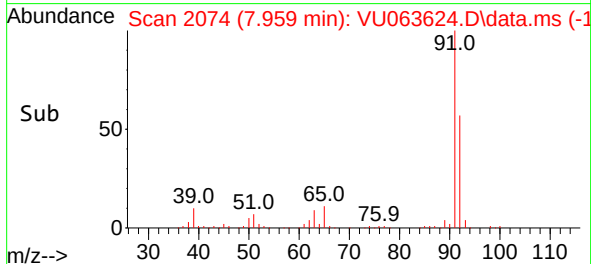
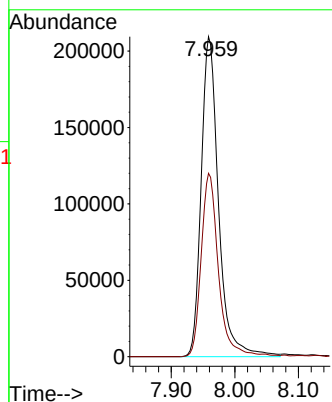
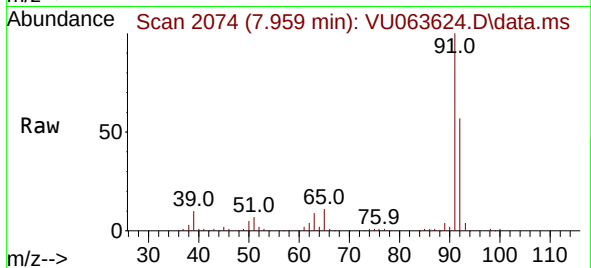
VSTD050110

Tgt Ion: 91 Resp: 396789

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 53.510 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.000 min

Lab File: VU063624.D

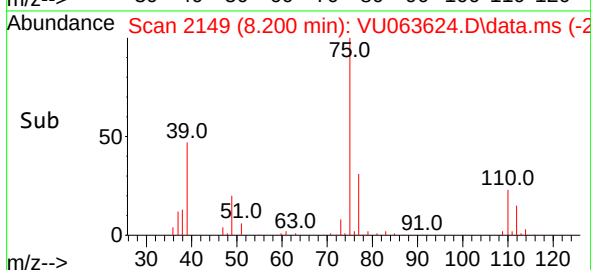
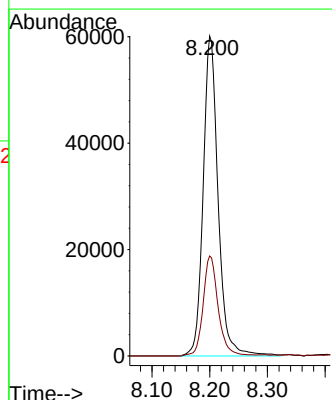
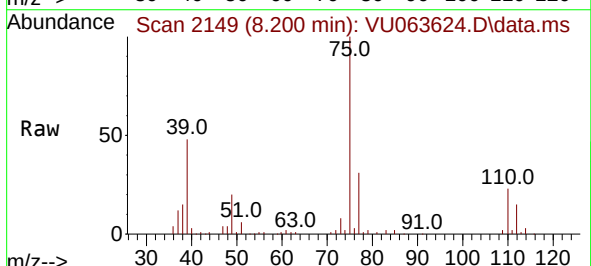
Acq: 23 Sep 2025 09:09

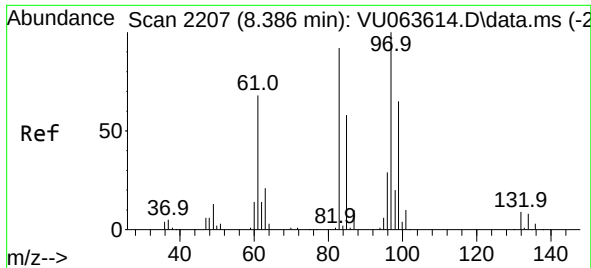
Tgt Ion: 75 Resp: 108162

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5

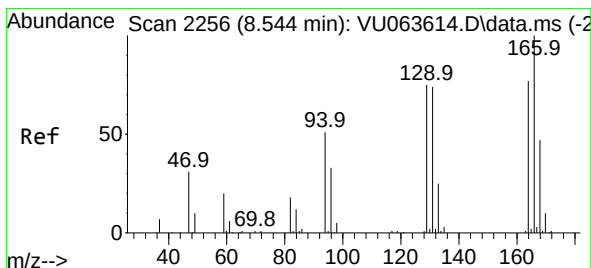
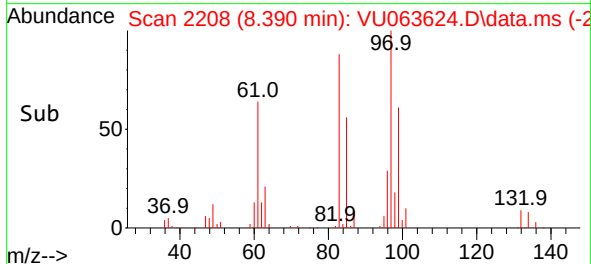
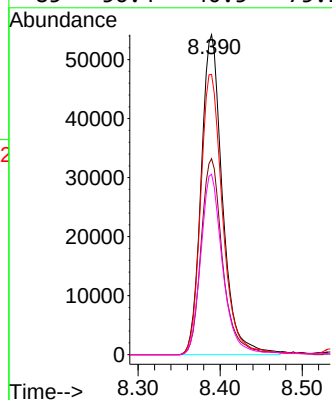
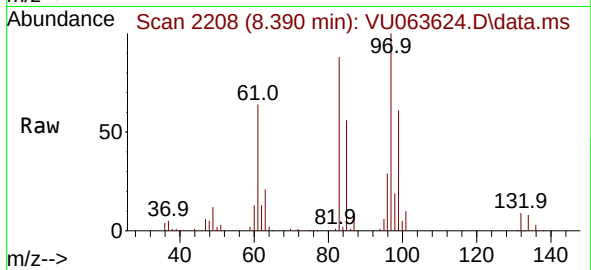




#45
1,1,2-Trichloroethane
Concen: 55.234 ug/L
RT: 8.390 min Scan# 2207
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

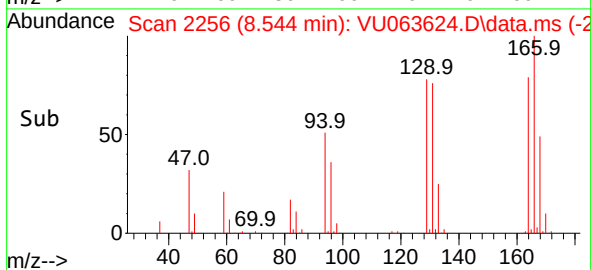
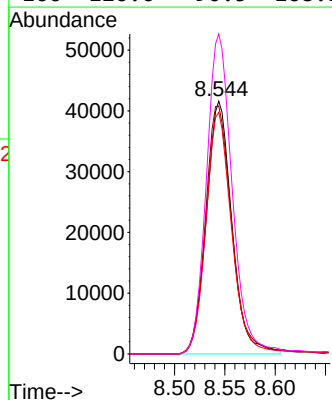
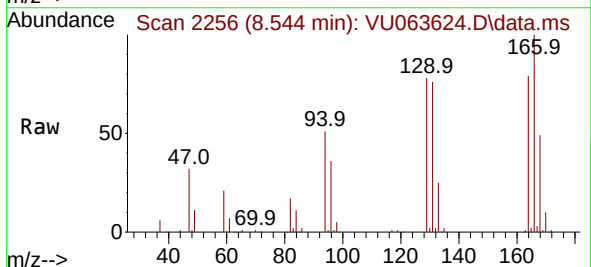
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

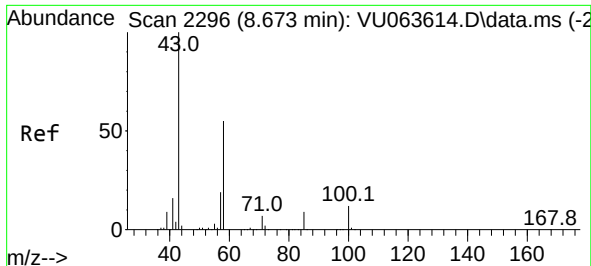
Tgt Ion:	97	Resp:	98162
Ion	Ratio	Lower	Upper
97	100		
99	61.3	45.8	85.0
83	87.6	64.4	119.6
85	56.4	40.5	75.1



#46
Tetrachloroethene
Concen: 54.522 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion:	164	Resp:	73530
Ion	Ratio	Lower	Upper
164	100		
129	98.1	67.5	125.3
131	95.6	67.0	124.4
166	126.6	90.5	168.1



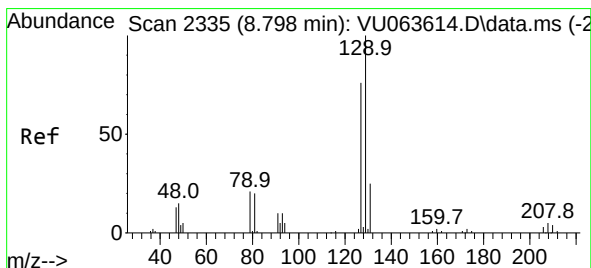
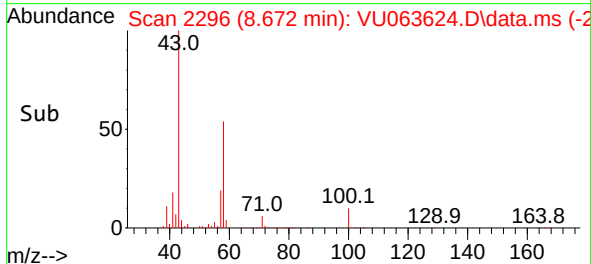
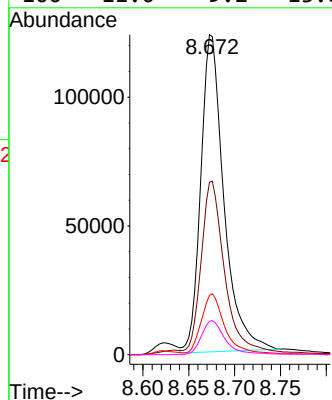
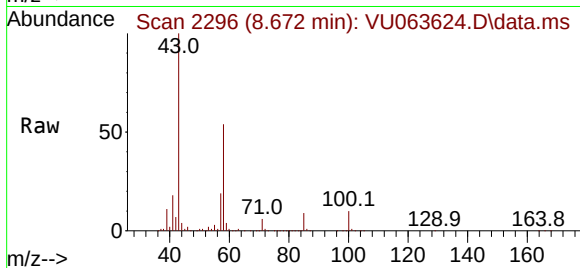


#48
2-Hexanone
Concen: 108.508 ug/L
RT: 8.672 min Scan# 216563
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

Tgt Ion: 43 Resp: 216563

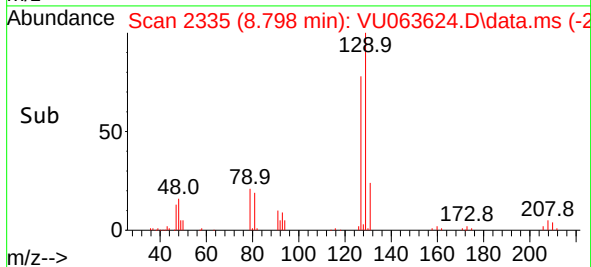
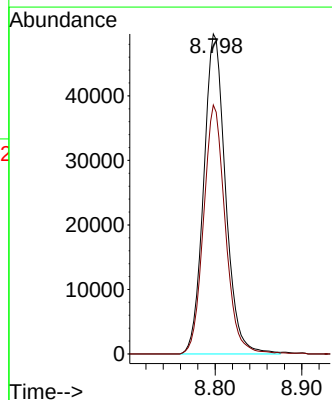
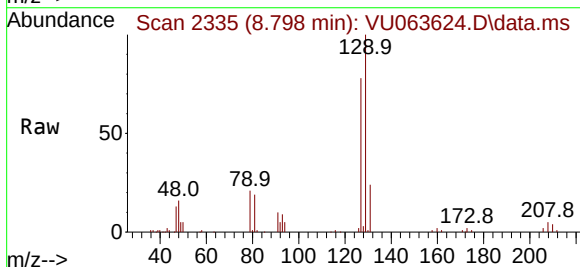
Ion	Ratio	Lower	Upper
43	100		
58	56.3	41.7	62.5
57	19.9	14.7	22.1
100	11.0	9.2	13.8

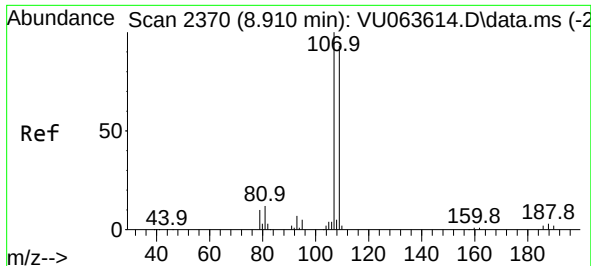


#49
Dibromochloromethane
Concen: 54.615 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion: 129 Resp: 86885

Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.1	98.7





#50

1,2-Dibromoethane

Concen: 54.320 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050110

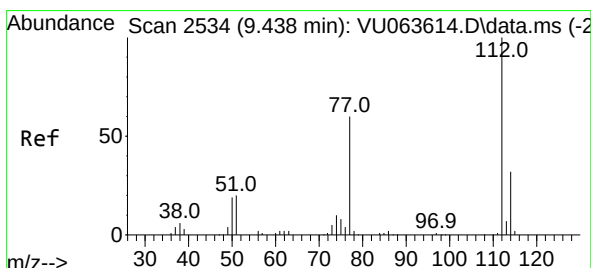
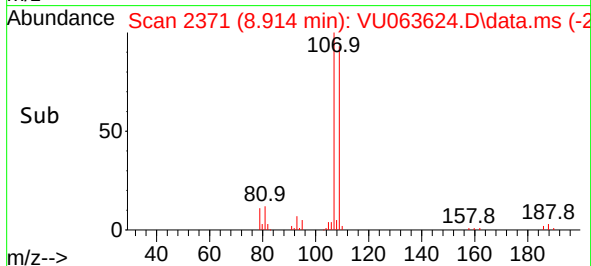
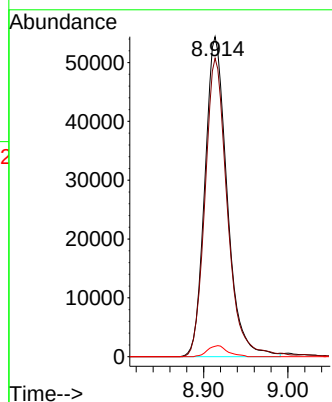
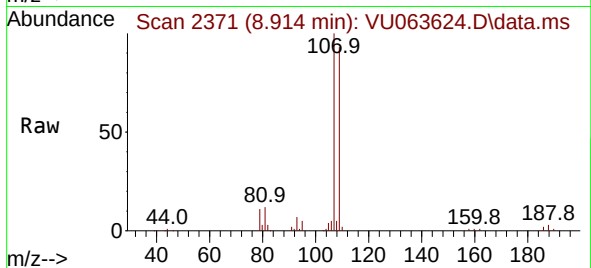
Tgt Ion:107 Resp: 99984

Ion Ratio Lower Upper

107 100

109 93.3 65.0 120.6

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 53.762 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

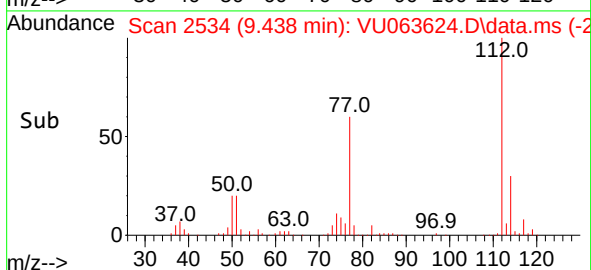
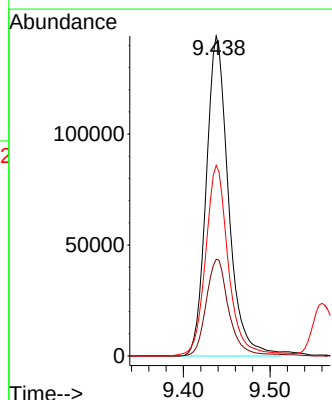
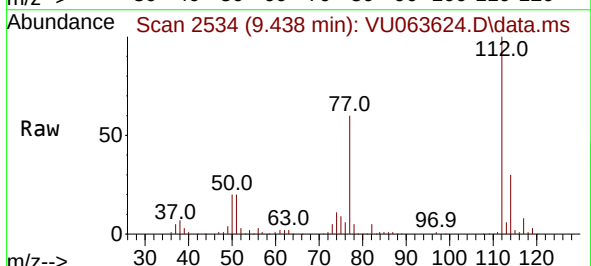
Tgt Ion:112 Resp: 257869

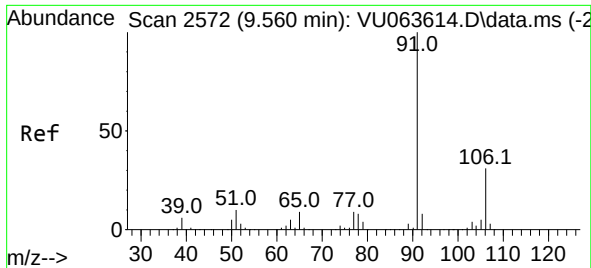
Ion Ratio Lower Upper

112 100

114 30.2 22.4 41.6

77 59.6 48.2 72.2

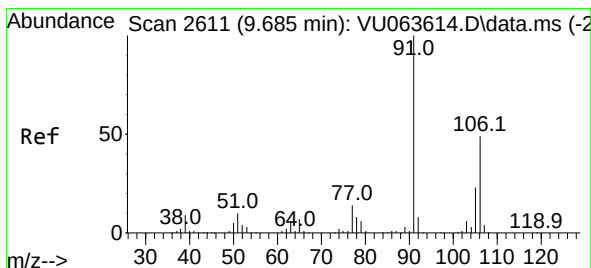
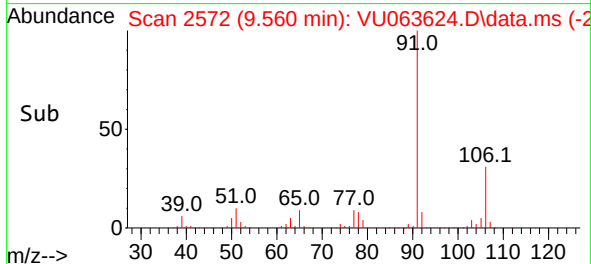
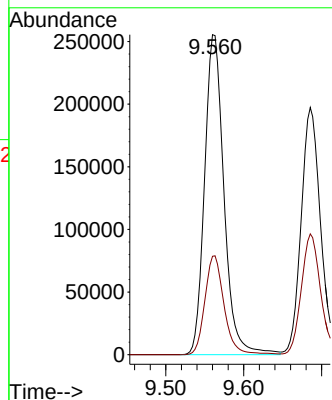
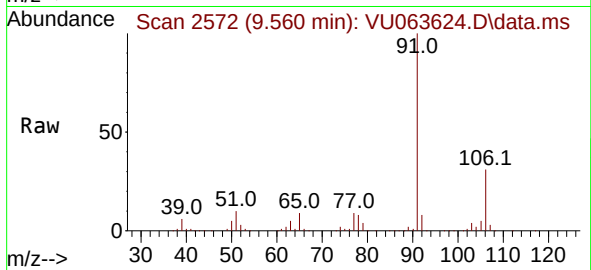




#52
Ethylbenzene
Concen: 55.175 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

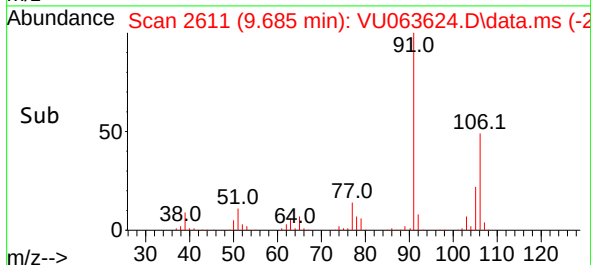
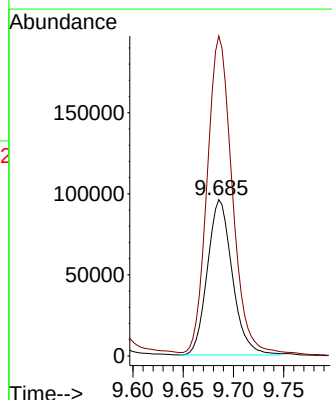
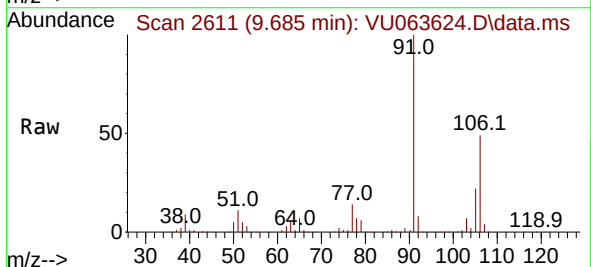
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

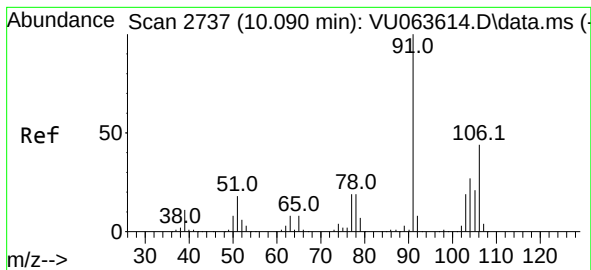
Tgt Ion: 91 Resp: 442234
Ion Ratio Lower Upper
91 100
106 30.8 21.5 39.9



#53
m,p-Xylene
Concen: 55.238 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion: 106 Resp: 165161
Ion Ratio Lower Upper
106 100
91 204.6 144.1 267.7





#54

o-Xylene

Concen: 55.102 ug/L

RT: 10.090 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

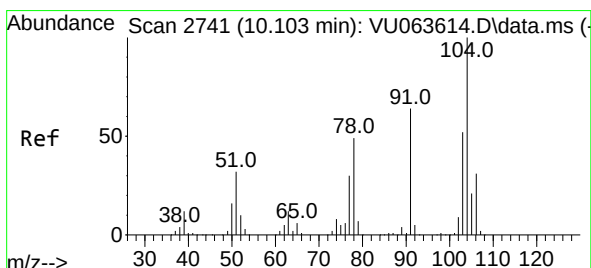
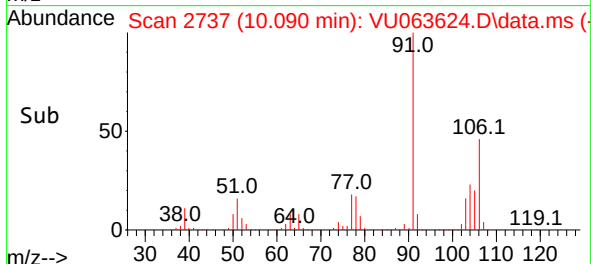
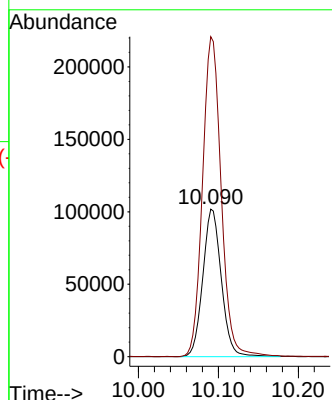
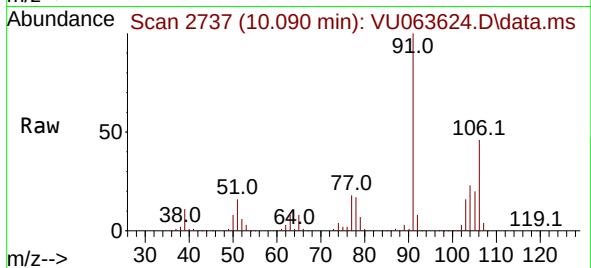
VSTD050110

Tgt Ion:106 Resp: 164179

Ion Ratio Lower Upper

106 100

91 216.9 158.5 294.3



#55

Styrene

Concen: 56.211 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.003 min

Lab File: VU063624.D

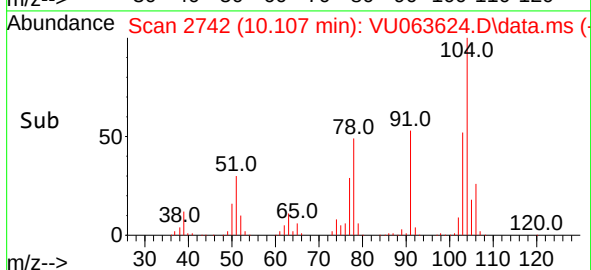
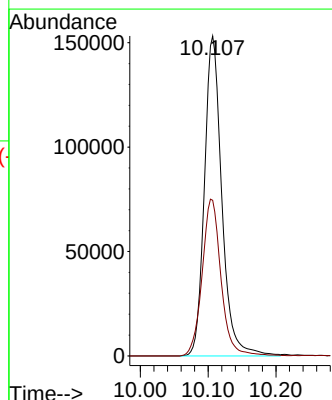
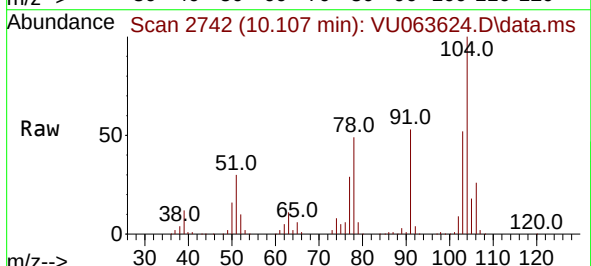
Acq: 23 Sep 2025 09:09

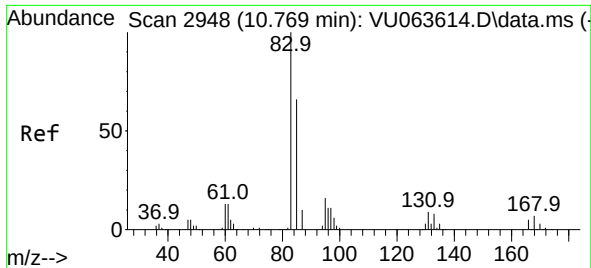
Tgt Ion:104 Resp: 273709

Ion Ratio Lower Upper

104 100

78 48.6 34.5 64.1

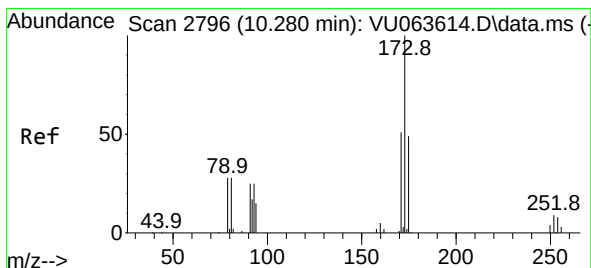
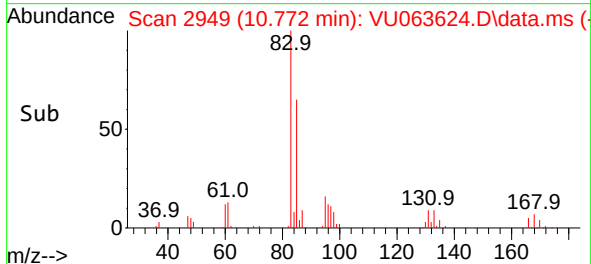
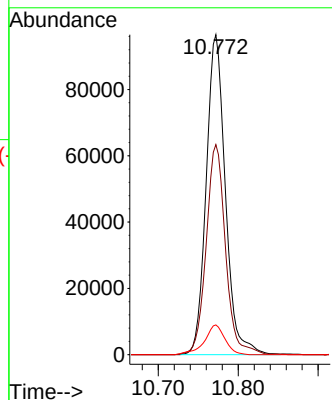
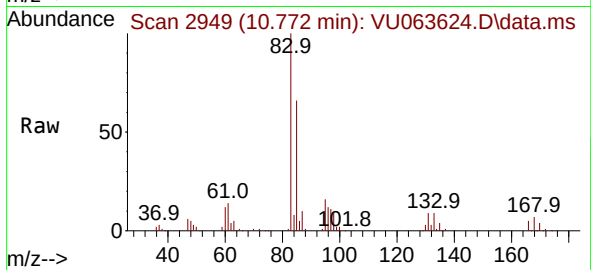




#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.743 ug/L
 RT: 10.772 min Scan# 2949
 Delta R.T. 0.003 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

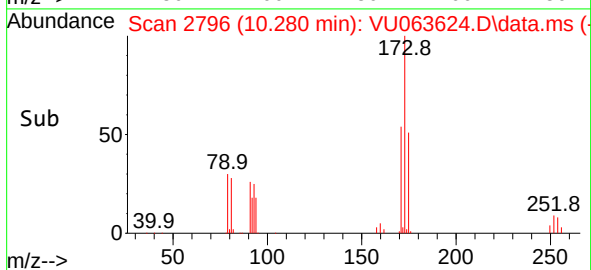
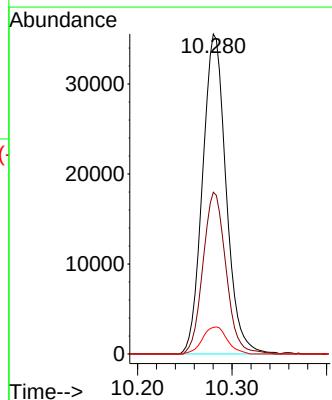
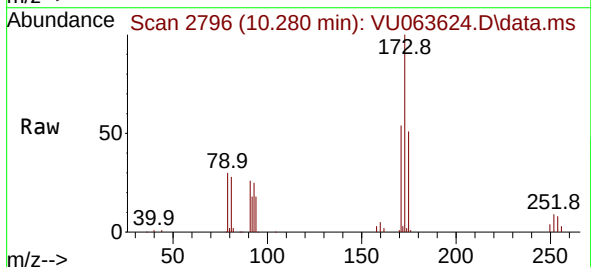
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

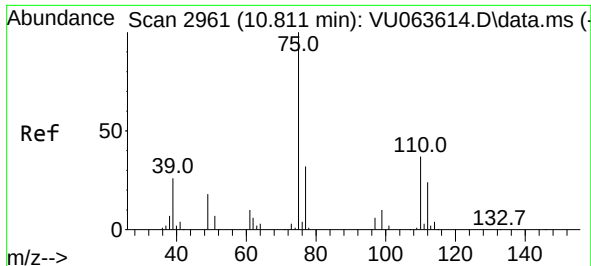
Tgt Ion: 83 Resp: 161444
 Ion Ratio Lower Upper
 83 100
 85 65.7 46.0 85.4
 131 9.3 7.4 11.2



#59
 Bromoform
 Concen: 53.016 ug/L
 RT: 10.280 min Scan# 2796
 Delta R.T. -0.000 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

Tgt Ion:173 Resp: 61503
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.3 58.9
 254 8.9 6.2 9.4

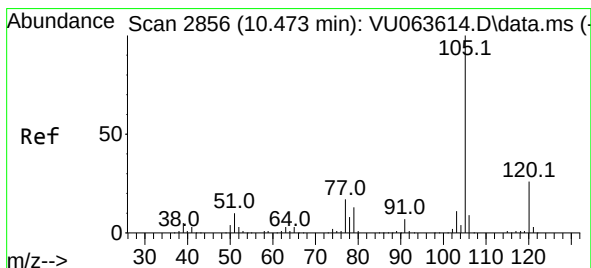
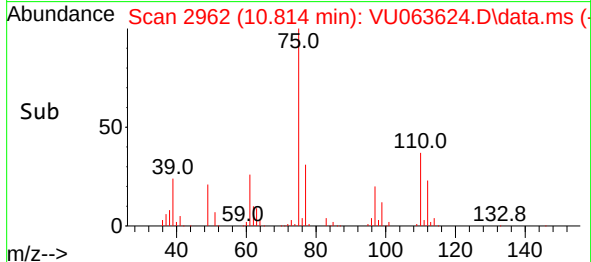
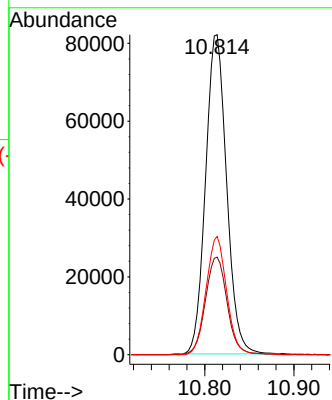
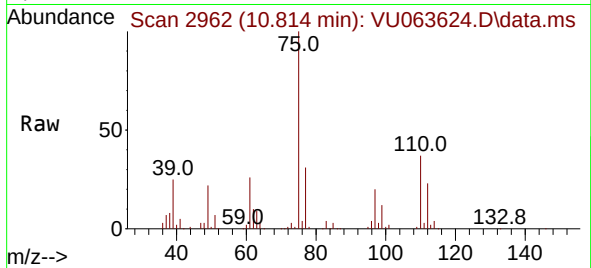




#60
1,2,3-Trichloropropane
Concen: 53.543 ug/L
RT: 10.814 min Scan# 2961
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

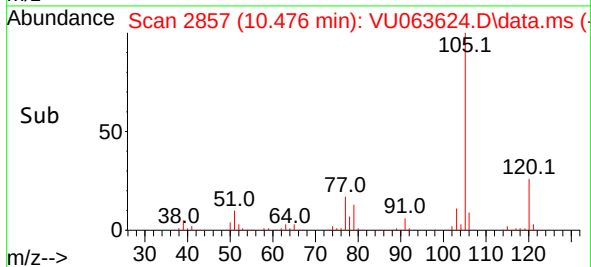
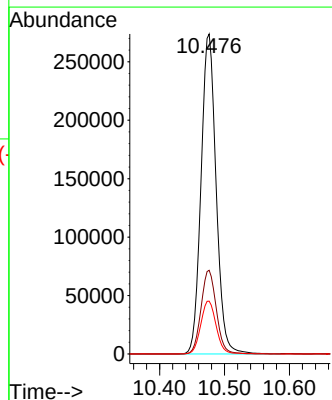
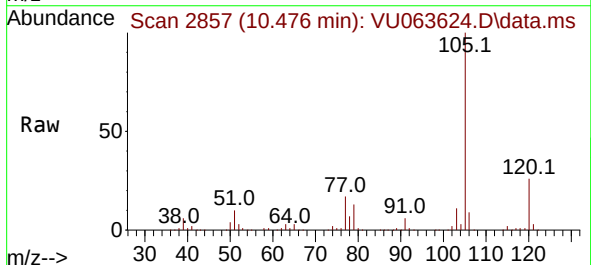
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

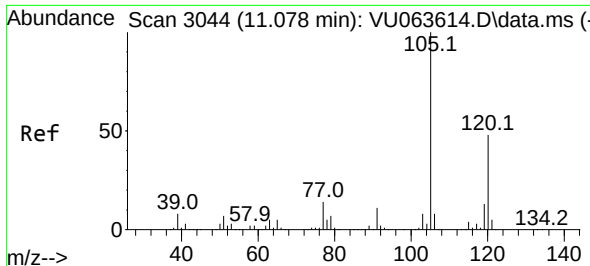
Tgt Ion: 75 Resp: 134478
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5
110 36.2 29.2 43.8



#61
Isopropylbenzene
Concen: 54.494 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion: 105 Resp: 442782
Ion Ratio Lower Upper
105 100
120 26.5 21.2 31.8
77 17.0 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 55.173 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063624.D

Acq: 23 Sep 2025 09:09

Instrument :

MSVOA_U

ClientSampleId :

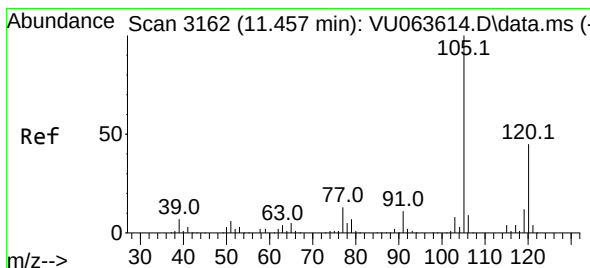
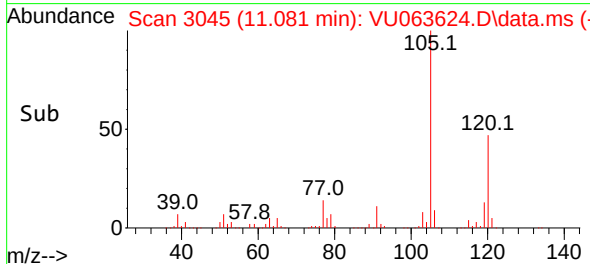
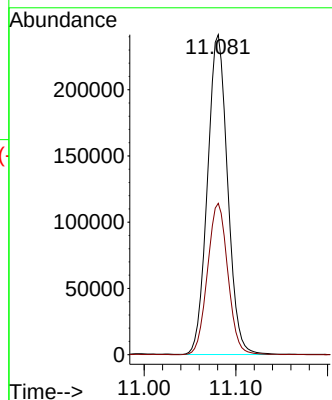
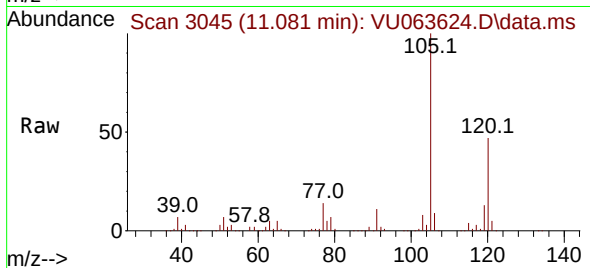
VSTD050110

Tgt Ion:105 Resp: 368683

Ion Ratio Lower Upper

105 100

120 47.8 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 55.031 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063624.D

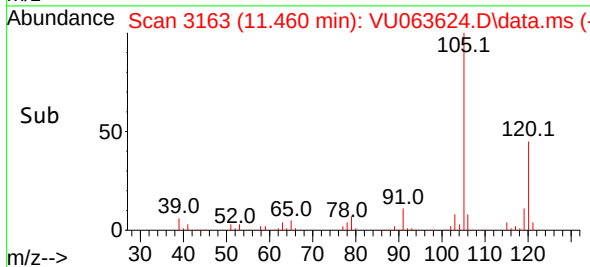
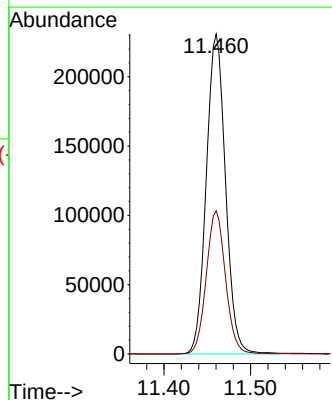
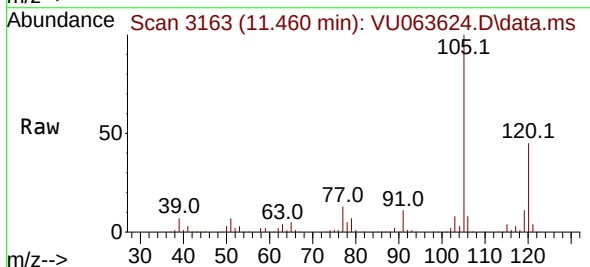
Acq: 23 Sep 2025 09:09

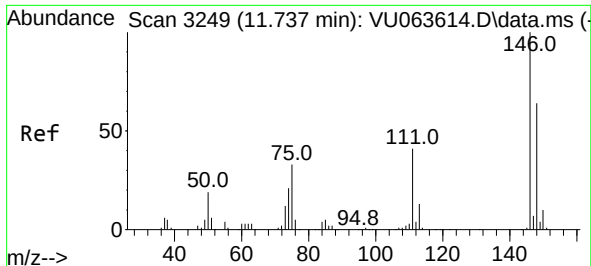
Tgt Ion:105 Resp: 356510

Ion Ratio Lower Upper

105 100

120 44.8 35.6 53.4

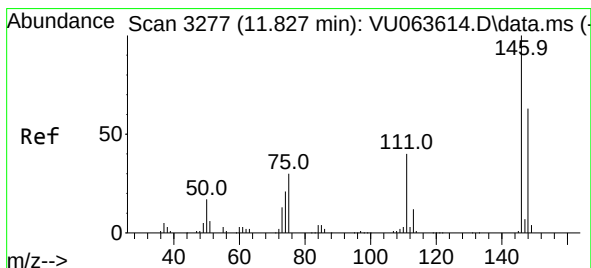
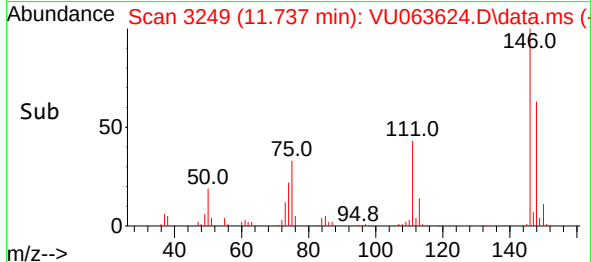
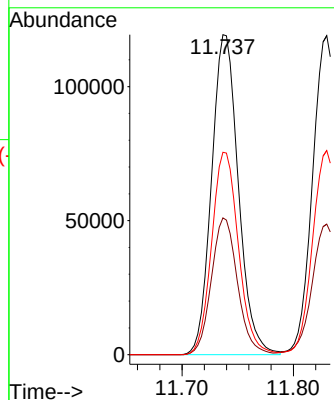
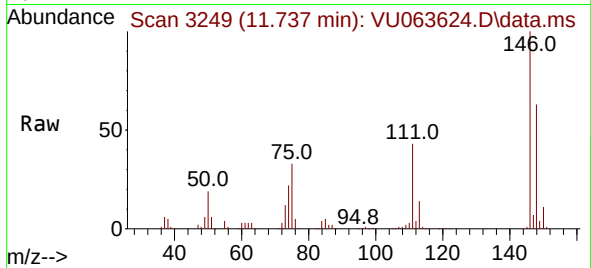




#64
1,3-Dichlorobenzene
Concen: 53.946 ug/L
RT: 11.737 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

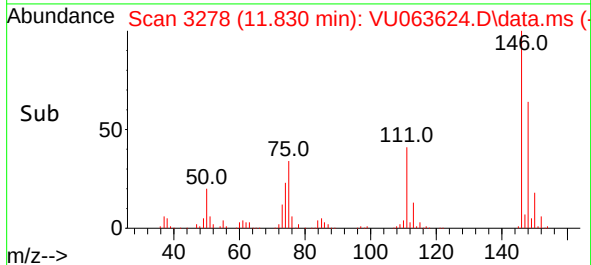
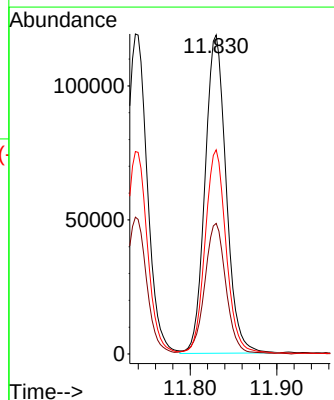
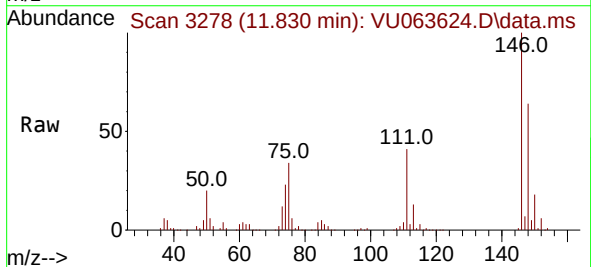
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

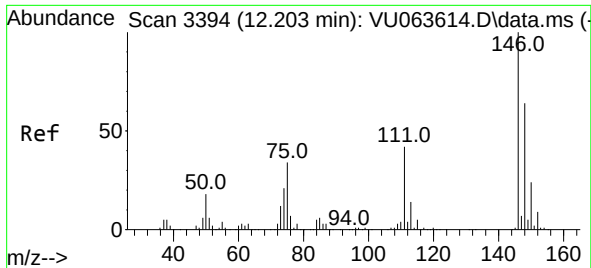
Tgt Ion:146 Resp: 199762
Ion Ratio Lower Upper
146 100
111 42.8 28.6 53.0
148 63.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 53.743 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion:146 Resp: 201338
Ion Ratio Lower Upper
146 100
111 40.9 27.9 51.9
148 64.0 44.0 81.8

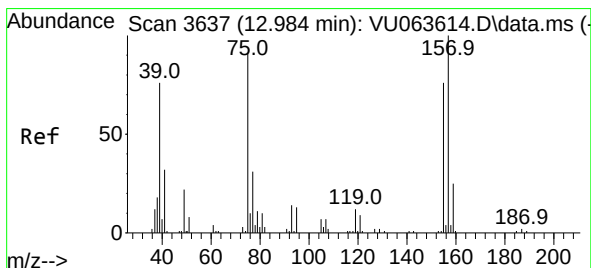
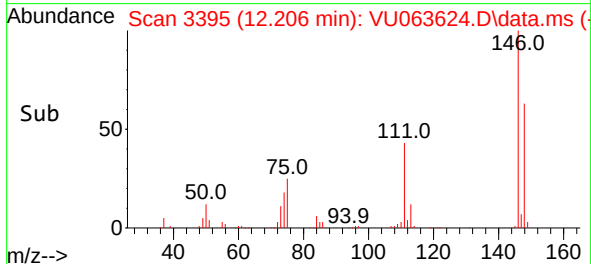
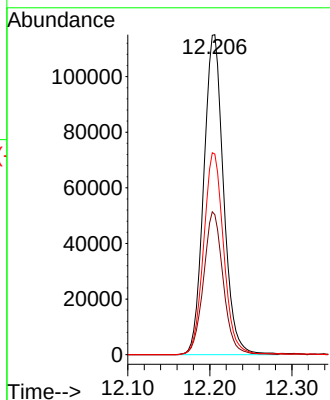
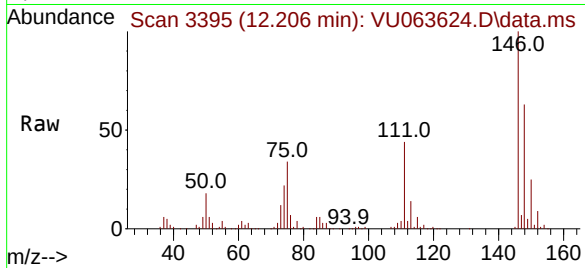




#67
1,2-Dichlorobenzene
Concen: 52.959 ug/L
RT: 12.206 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

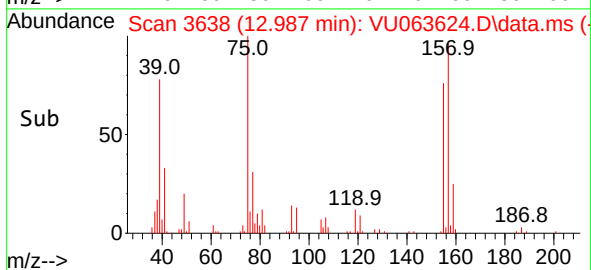
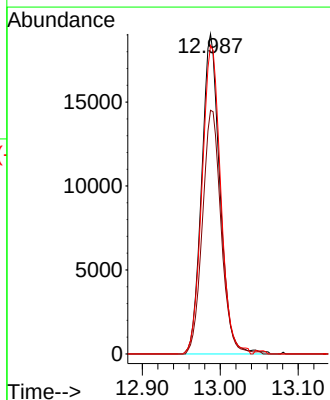
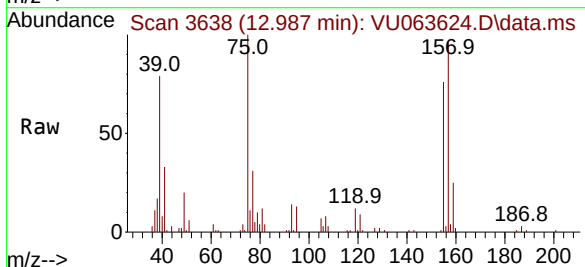
Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

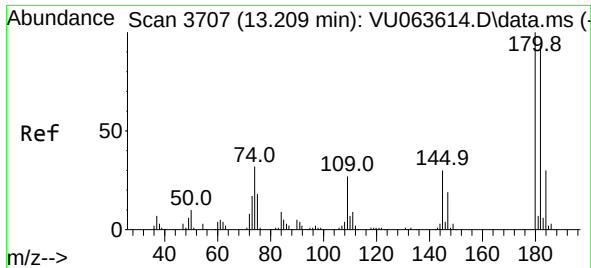
Tgt Ion:146 Resp: 192836
Ion Ratio Lower Upper
146 100
111 43.7 33.6 50.4
148 62.7 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 55.168 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion: 75 Resp: 31076
Ion Ratio Lower Upper
75 100
155 76.2 66.6 99.8
157 100.0 87.6 131.4

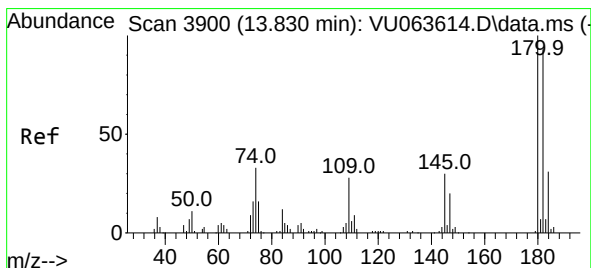
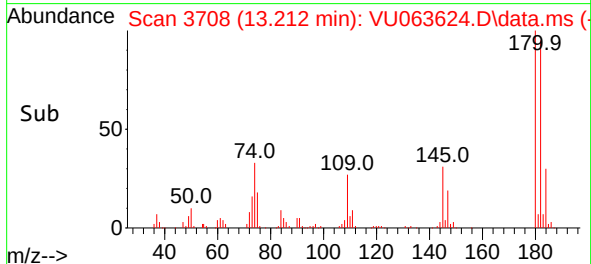
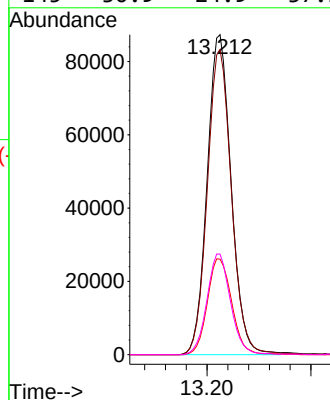
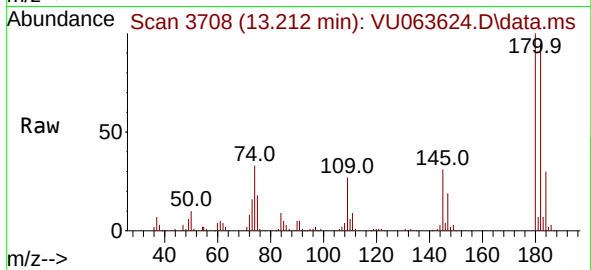




#69
 1,3,5-Trichlorobenzene
 Concen: 54.005 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

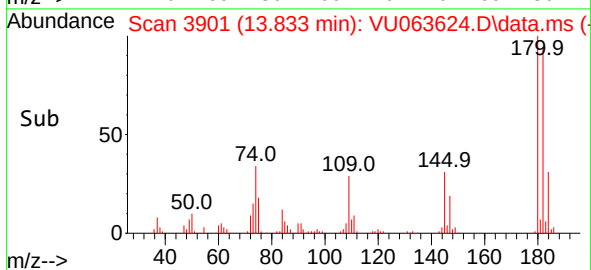
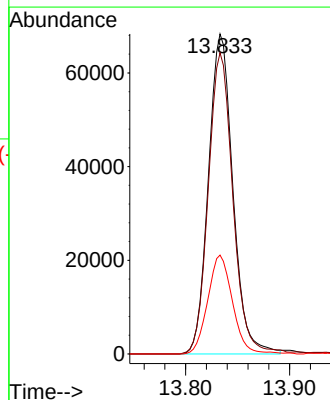
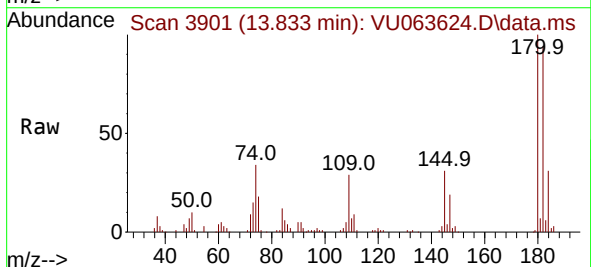
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

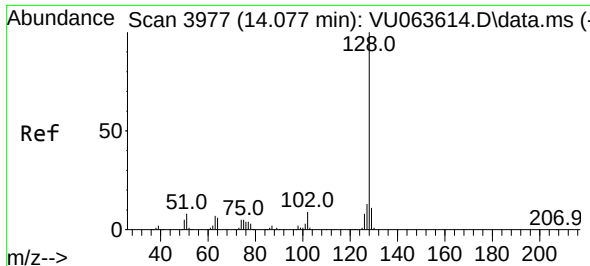
Tgt Ion:180 Resp: 139809
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.9 113.9
 184 30.3 24.4 36.6
 145 30.9 24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 52.255 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.003 min
 Lab File: VU063624.D
 Acq: 23 Sep 2025 09:09

Tgt Ion:180 Resp: 111687
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.4 113.0
 145 31.0 24.6 37.0

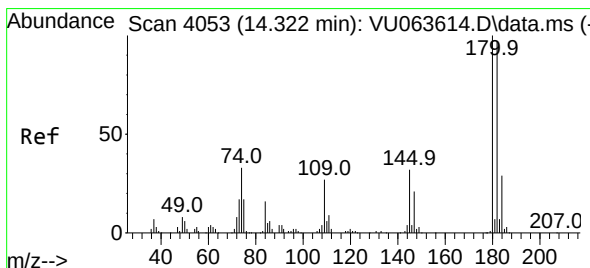
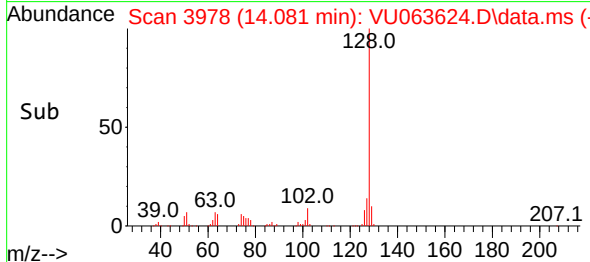
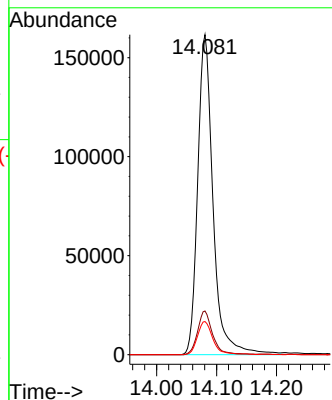
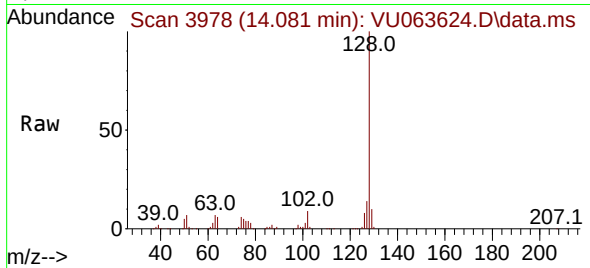




#71
Naphthalene
Concen: 49.718 ug/L
RT: 14.081 min Scan# 3977
Delta R.T. 0.003 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

Tgt Ion:128 Resp: 288717
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.3 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 51.437 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU063624.D
Acq: 23 Sep 2025 09:09

Tgt Ion:180 Resp: 105373
Ion Ratio Lower Upper
180 100
182 95.3 77.4 116.2
145 33.0 25.9 38.9

