

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063724.D
 Acq On : 17 Nov 2025 12:58
 Operator : MD/SY
 Sample : VSTD20049
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200049

Quant Time: Nov 18 01:29:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:25:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	329945	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.389	117	324908	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	182013	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	566265	241.450	ug/L	0.00
7) Chloroethane-d5	1.882	69	430669	222.120	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.538	63	969895	234.669	ug/L	0.00
21) 2-Butanone-d5	4.586	46	733207	475.582	ug/L	0.00
24) Chloroform-d	5.026	84	973147	227.138	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.666	65	614344	221.579	ug/L	0.00
32) Benzene-d6	5.692	84	1883828	232.730	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.660	67	552811	214.695	ug/L	0.00
41) Toluene-d8	7.869	98	1782257	234.059	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.152	79	255982	263.748	ug/L	0.00
47) 2-Hexanone-d5	8.605	63	488843	510.423	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.727	84	866917	220.167	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.167	152	687356	219.808	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.370	85	359419	199.999	ug/L	99
3) Chloromethane	1.505	50	400315	178.839	ug/L	99
5) Vinyl chloride	1.589	62	469223	175.140	ug/L	99
6) Bromomethane	1.821	94	301448	178.703	ug/L	98
8) Chloroethane	1.904	64	313141	172.918	ug/L	100
9) Trichlorofluoromethane	2.110	101	746527	189.206	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.550	101	439190	198.624	ug/L	98
12) 1,1-Dichloroethene	2.550	96	399694	202.252	ug/L	97
13) Acetone	2.599	43	800688	416.925	ug/L	100
14) Carbon disulfide	2.763	76	1096064	213.836	ug/L	98
15) Methyl Acetate	2.920	43	544502	201.918	ug/L	99
16) Methylene chloride	3.010	84	465592	188.752	ug/L	99
17) trans-1,2-Dichloroethene	3.319	96	438889	205.512	ug/L	93
18) Methyl tert-butyl Ether	3.332	73	1520107	218.509	ug/L	99
19) 1,1-Dichloroethane	3.830	63	835279	196.193	ug/L	99
20) cis-1,2-Dichloroethene	4.628	96	515965	207.448	ug/L	99
22) 2-Butanone	4.666	43	939591	434.110	ug/L	98
23) Bromochloromethane	4.936	128	265278	204.737	ug/L	97
25) Chloroform	5.052	83	902885	198.332	ug/L	99
27) 1,2-Dichloroethane	5.759	62	754090	202.487	ug/L	98
29) Cyclohexane	5.351	56	769529	200.153	ug/L	96
30) 1,1,1-Trichloroethane	5.280	97	789441	216.219	ug/L	99
31) Carbon tetrachloride	5.489	117	655929	225.547	ug/L	98
33) Benzene	5.740	78	1869515	198.352	ug/L	100
34) Trichloroethene	6.512	95	534076	198.922	ug/L	99
35) Methylcyclohexane	6.730	83	774965	201.784	ug/L	99
37) 1,2-Dichloropropane	6.759	63	505087	193.715	ug/L	100
38) Bromodichloromethane	7.074	83	691001	218.823	ug/L	97
39) cis-1,3-Dichloropropene	7.576	75	818497	238.727	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	1530116	408.306	ug/L	100
42) Toluene	7.939	91	2071474	198.920	ug/L	100
44) trans-1,3-Dichloropropene	8.180	75	696509	234.181	ug/L	98

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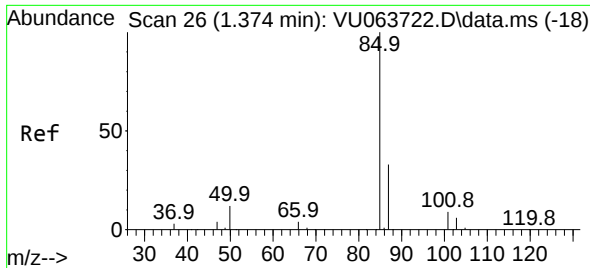
Quant Time: Nov 18 01:29:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:25:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.370	97	519217	203.464	ug/L	99
46) Tetrachloroethene	8.524	164	415601	211.761	ug/L	99
48) 2-Hexanone	8.656	43	1288421	447.870	ug/L	99
49) Dibromochloromethane	8.782	129	546349	235.593	ug/L	99
50) 1,2-Dibromoethane	8.894	107	551140	207.882	ug/L	100
51) Chlorobenzene	9.418	112	1414668	204.526	ug/L	99
52) Ethylbenzene	9.544	91	2476770	213.528	ug/L	99
53) m,p-Xylene	9.666	106	956644	219.254	ug/L	98
54) o-Xylene	10.074	106	936937	218.104	ug/L	97
55) Styrene	10.087	104	1596346	226.768	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.756	83	886086	206.744	ug/L	99
59) Bromoform	10.264	173	423173	232.111	ug/L	98
60) 1,2,3-Trichloropropane	10.794	75	727221	190.423	ug/L	99
61) Isopropylbenzene	10.457	105	2537621	201.940	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	2182640	211.673	ug/L	99
63) 1,2,4-Trimethylbenzene	11.441	105	2148841	215.616	ug/L	100
64) 1,3-Dichlorobenzene	11.717	146	1165047	204.074	ug/L	100
65) 1,4-Dichlorobenzene	11.811	146	1170771	203.196	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	1126146	201.483	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	219764	249.463	ug/L	95
69) 1,3,5-Trichlorobenzene	13.190	180	843469	211.734	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	754081	229.767	ug/L	99
71) Naphthalene	14.058	128	2225086	249.468	ug/L	100
72) 1,2,3-Trichlorobenzene	14.299	180	713941	226.987	ug/L	100

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

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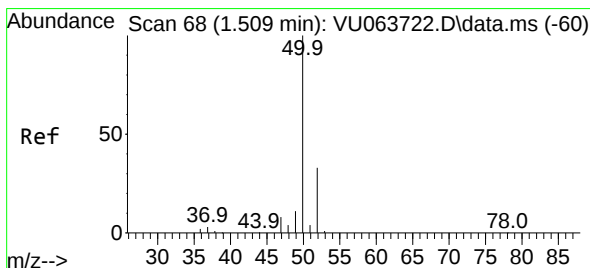
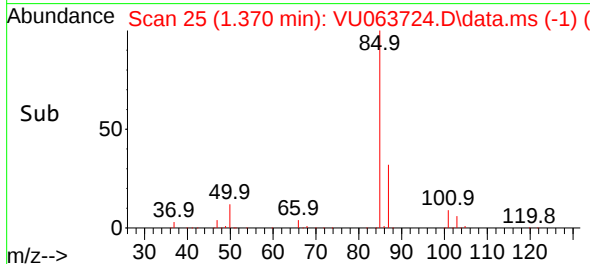
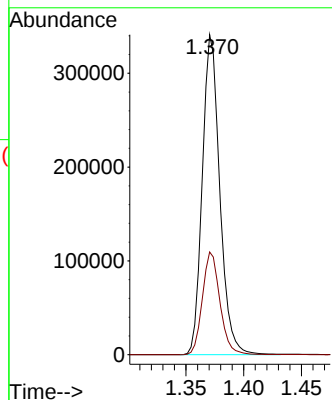
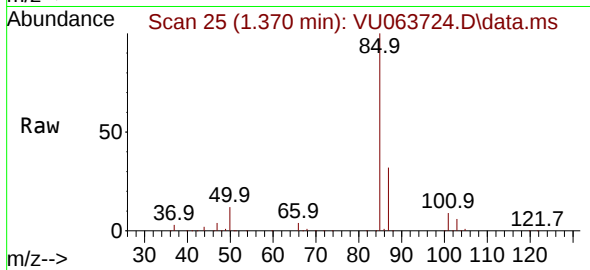




#2
 Dichlorodifluoromethane
 Concen: 199.999 ug/L
 RT: 1.370 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063724.D
 Acq: 17 Nov 2025 12:58

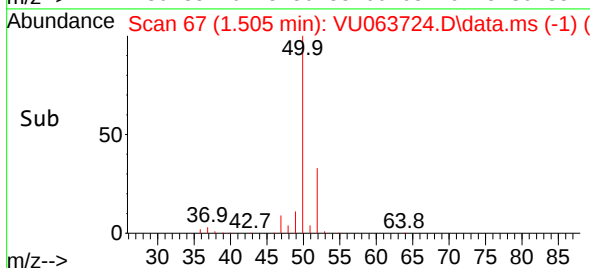
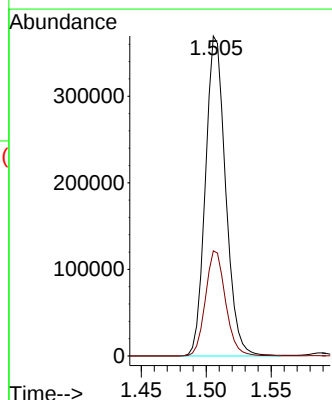
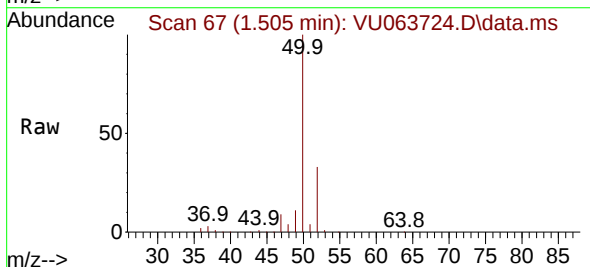
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200049

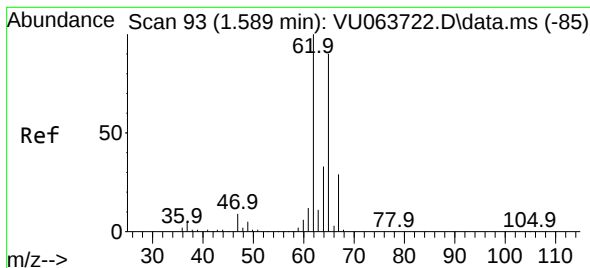
Tgt Ion: 85 Resp: 359419
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.2 39.2



#3
 Chloromethane
 Concen: 178.839 ug/L
 RT: 1.505 min Scan# 67
 Delta R.T. -0.003 min
 Lab File: VU063724.D
 Acq: 17 Nov 2025 12:58

Tgt Ion: 50 Resp: 400315
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.2 43.2





#5

Vinyl chloride

Concen: 175.140 ug/L

RT: 1.589 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

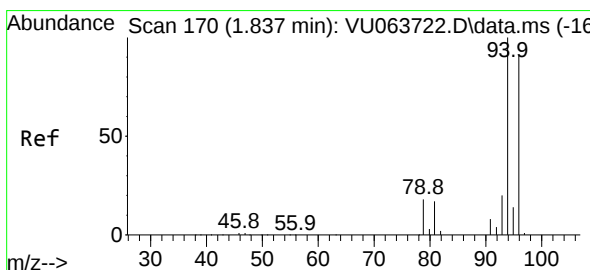
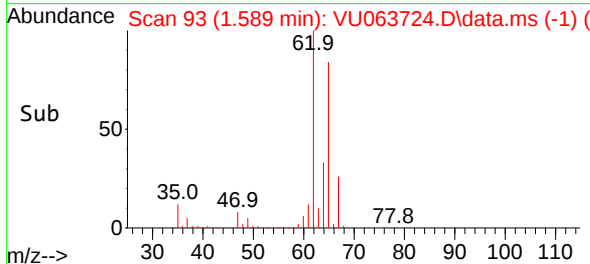
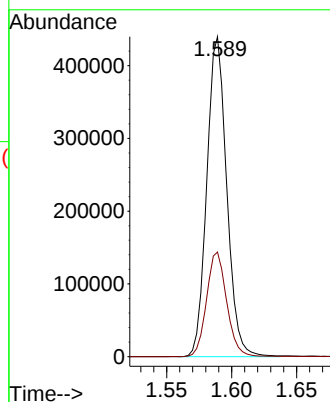
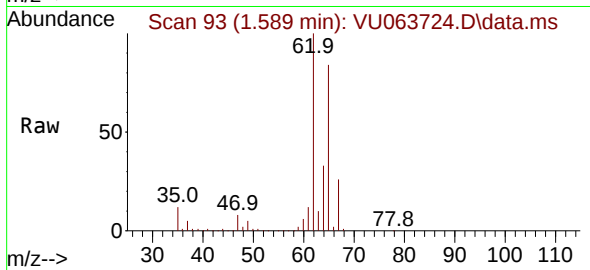
VSTD200049

Tgt Ion: 62 Resp: 469223

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.2



#6

Bromomethane

Concen: 178.703 ug/L

RT: 1.821 min Scan# 165

Delta R.T. -0.016 min

Lab File: VU063724.D

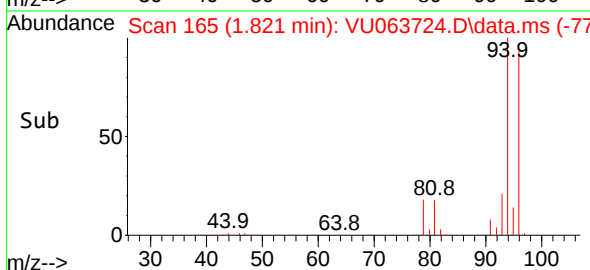
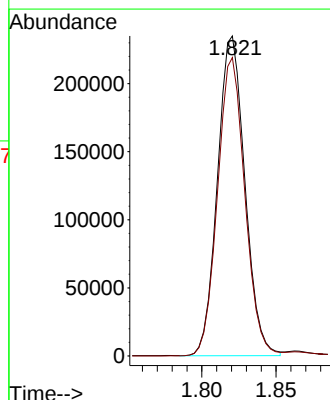
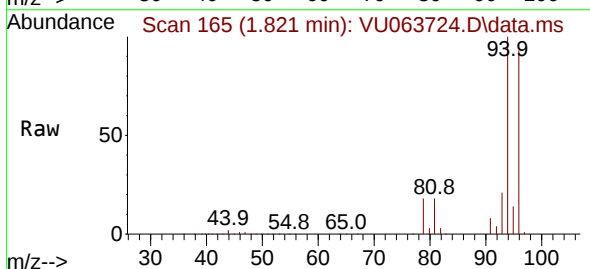
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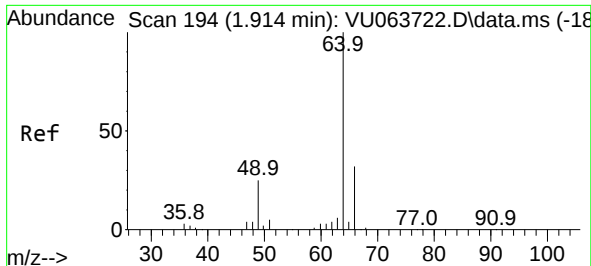
Tgt Ion: 94 Resp: 301448

Ion Ratio Lower Upper

94 100

96 93.3 63.8 118.4

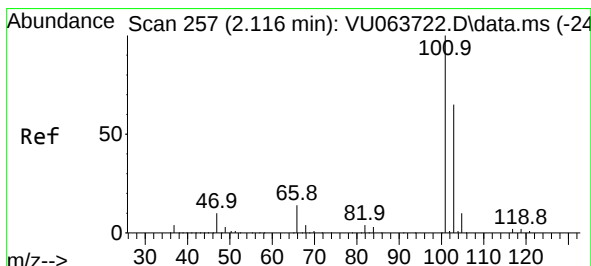
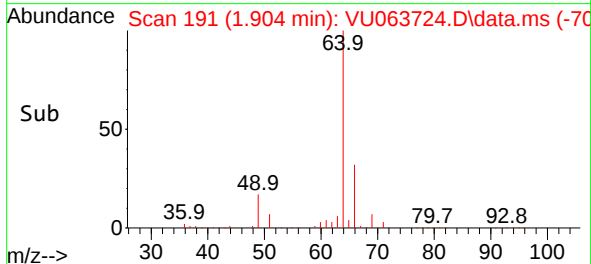
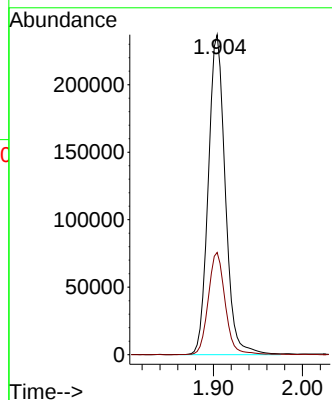
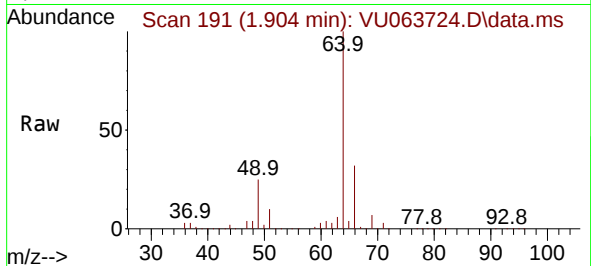




#8
Chloroethane
Concen: 172.918 ug/L
RT: 1.904 min Scan# 194
Delta R.T. -0.010 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

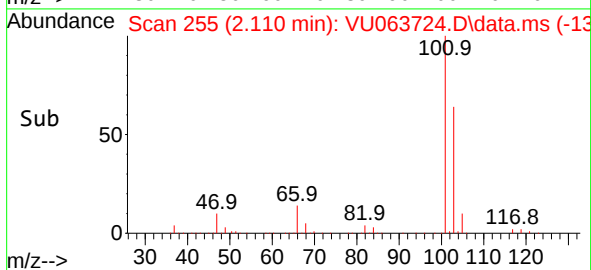
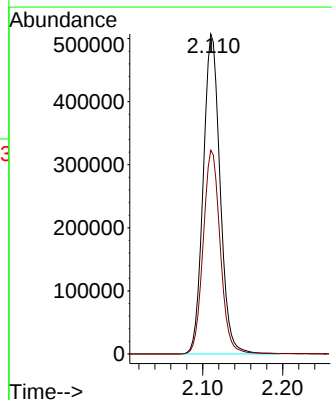
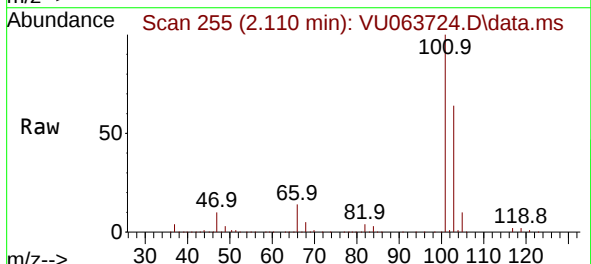
Instrument :
MSVOA_U
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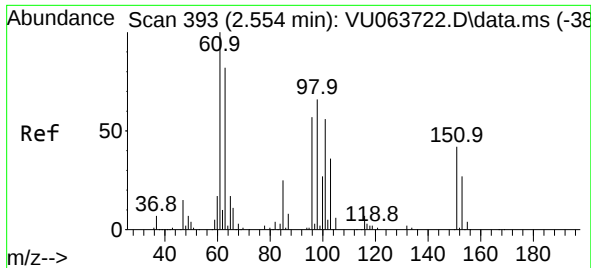
Tgt Ion: 64 Resp: 313141
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 189.206 ug/L
RT: 2.110 min Scan# 255
Delta R.T. -0.006 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 101 Resp: 746527
Ion Ratio Lower Upper
101 100
103 64.3 52.0 78.0

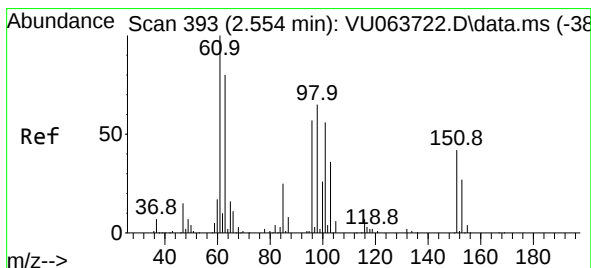
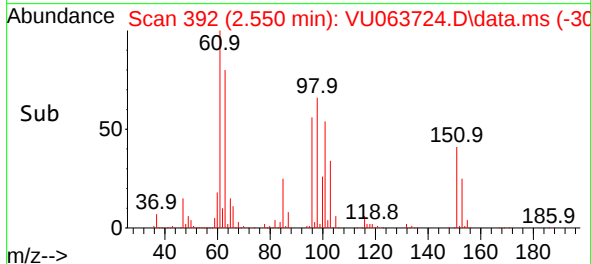
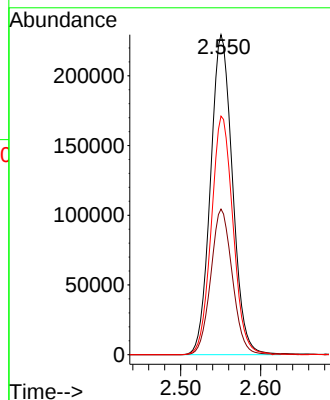
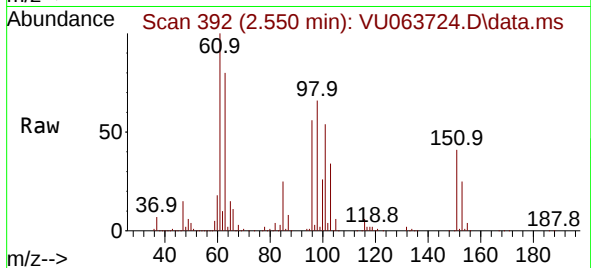




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 198.624 ug/L
 RT: 2.550 min Scan# 392
 Delta R.T. -0.003 min
 Lab File: VU063724.D
 Acq: 17 Nov 2025 12:58

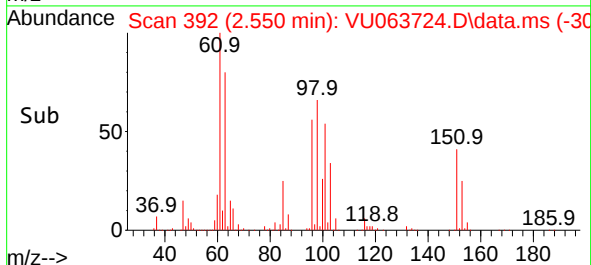
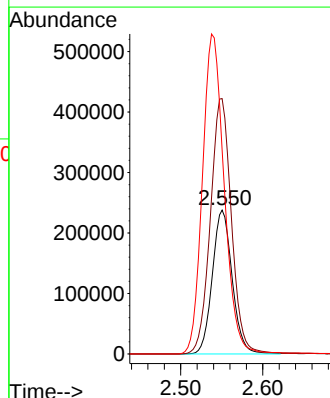
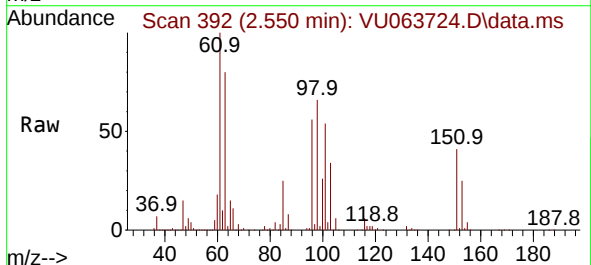
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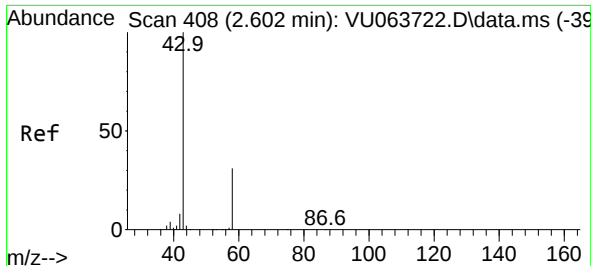
Tgt Ion:101 Resp: 439190
 Ion Ratio Lower Upper
 101 100
 85 44.6 36.3 54.5
 151 73.7 60.1 90.1



#12
 1,1-Dichloroethene
 Concen: 202.252 ug/L
 RT: 2.550 min Scan# 392
 Delta R.T. -0.003 min
 Lab File: VU063724.D
 Acq: 17 Nov 2025 12:58

Tgt Ion: 96 Resp: 399694
 Ion Ratio Lower Upper
 96 100
 61 177.5 123.3 228.9
 63 141.7 103.3 191.8





#13

Acetone

Concen: 416.925 ug/L

RT: 2.599 min Scan# 407

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

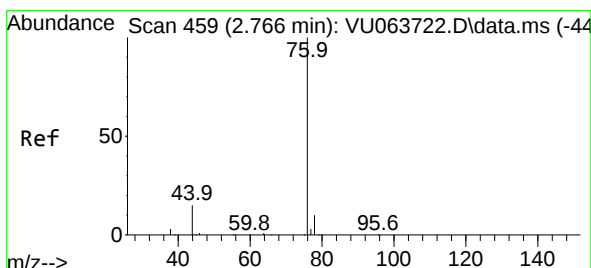
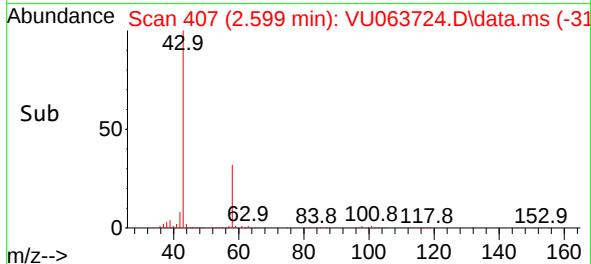
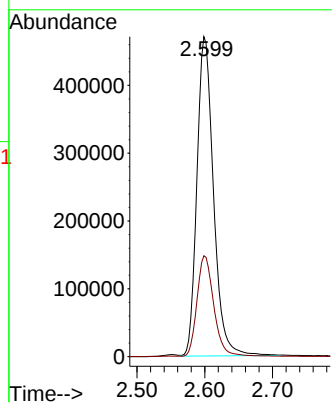
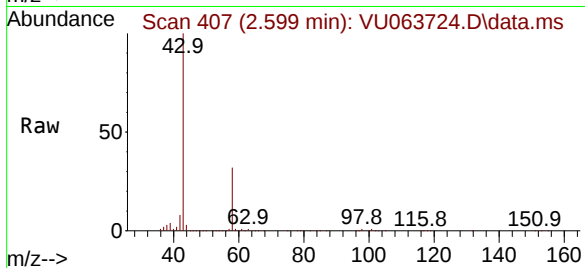
VSTD200049

Tgt Ion: 43 Resp: 800688

Ion Ratio Lower Upper

43 100

58 31.7 0.0 63.4



#14

Carbon disulfide

Concen: 213.836 ug/L

RT: 2.763 min Scan# 458

Delta R.T. -0.003 min

Lab File: VU063724.D

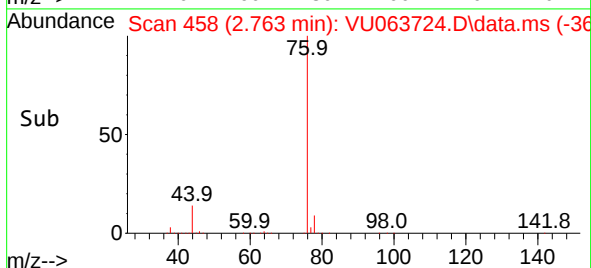
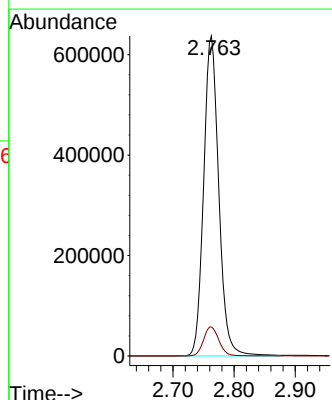
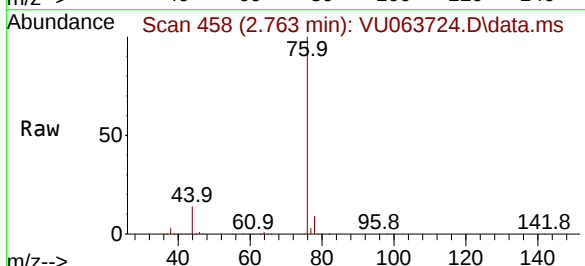
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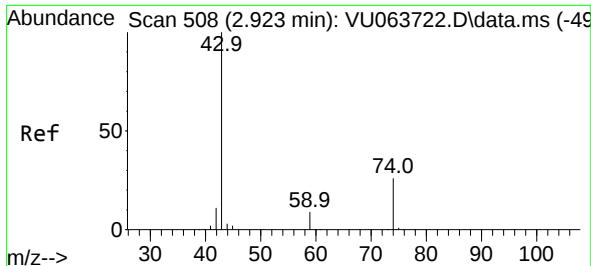
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Ion Ratio Lower Upper

76 100

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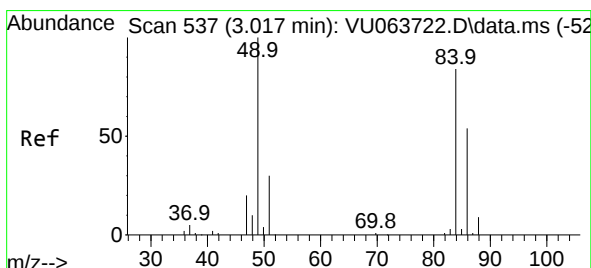
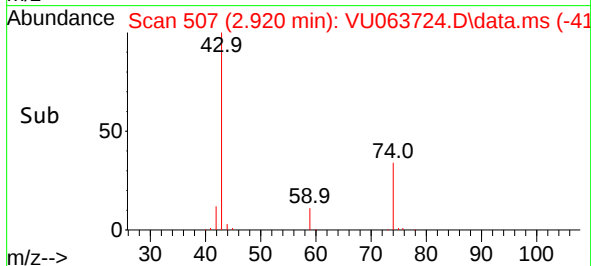
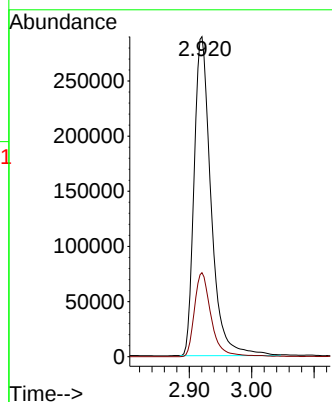
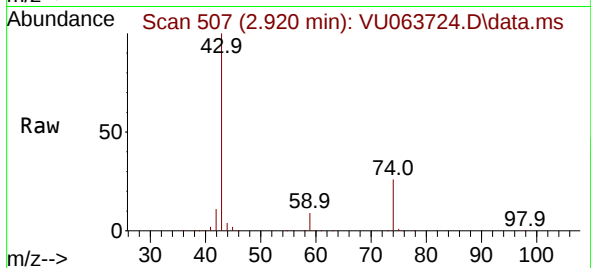




#15
Methyl Acetate
Concen: 201.918 ug/L
RT: 2.920 min Scan# 508
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

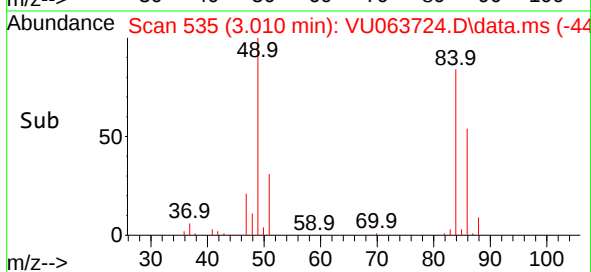
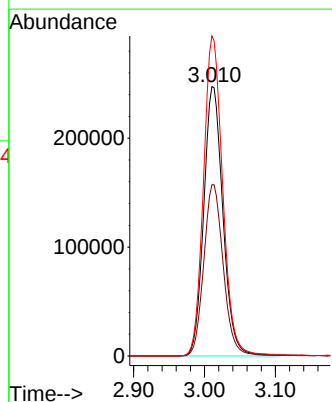
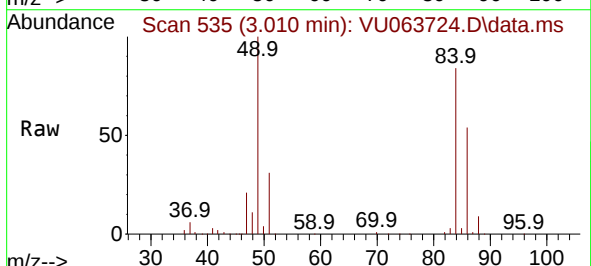
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

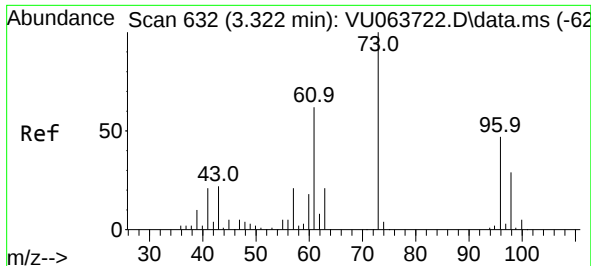
Tgt Ion: 43 Resp: 544502
Ion Ratio Lower Upper
43 100
74 25.9 20.5 30.7



#16
Methylene chloride
Concen: 188.752 ug/L
RT: 3.010 min Scan# 535
Delta R.T. -0.006 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 84 Resp: 465592
Ion Ratio Lower Upper
84 100
86 63.6 45.2 84.0
49 118.8 83.6 155.2

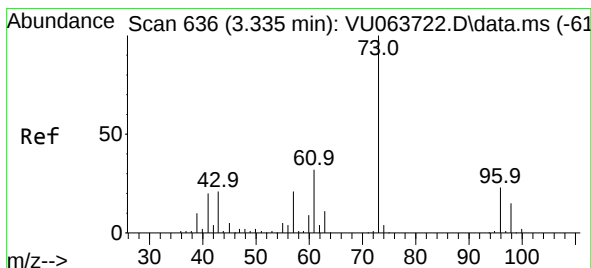
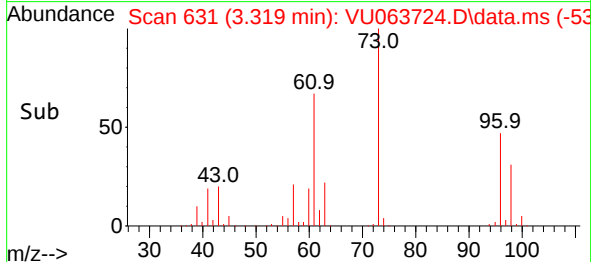
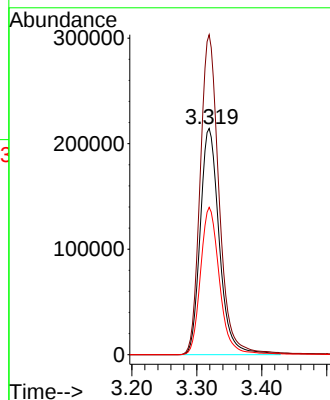
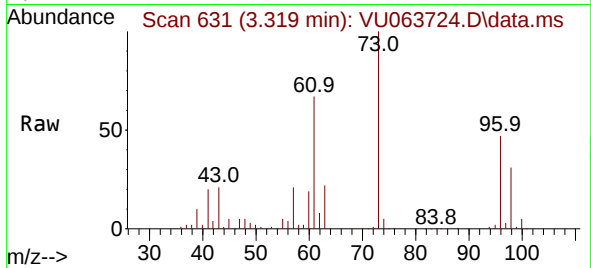




#17
trans-1,2-Dichloroethene
Concen: 205.512 ug/L
RT: 3.319 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

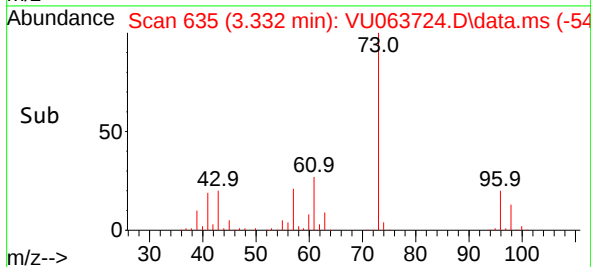
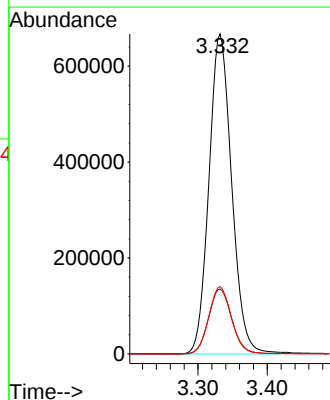
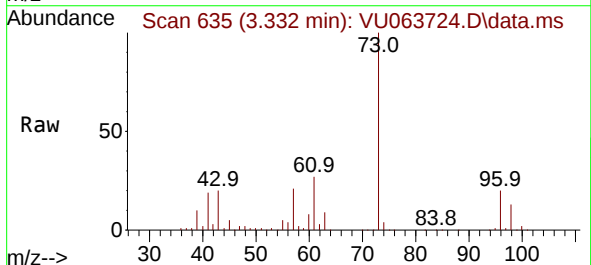
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

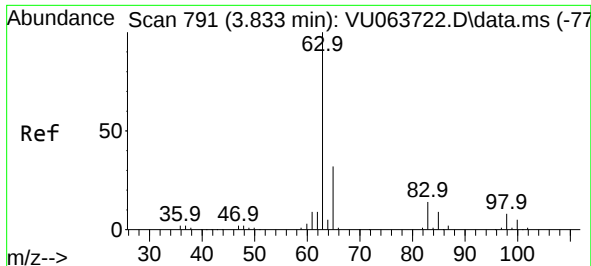
Tgt Ion: 96 Resp: 438889
Ion Ratio Lower Upper
96 100
61 141.5 92.7 172.1
98 65.2 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 218.509 ug/L
RT: 3.332 min Scan# 635
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 73 Resp: 1520107
Ion Ratio Lower Upper
73 100
43 20.5 16.6 24.8
57 21.1 16.3 24.5

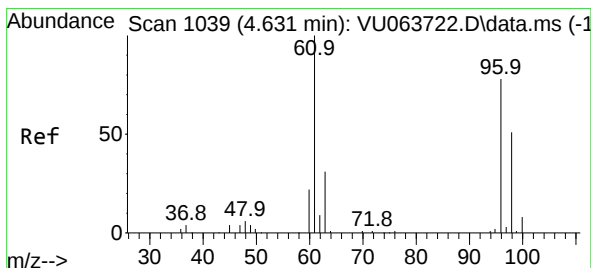
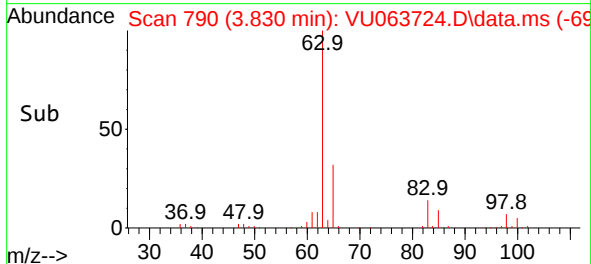
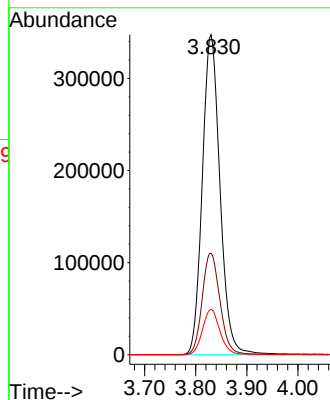
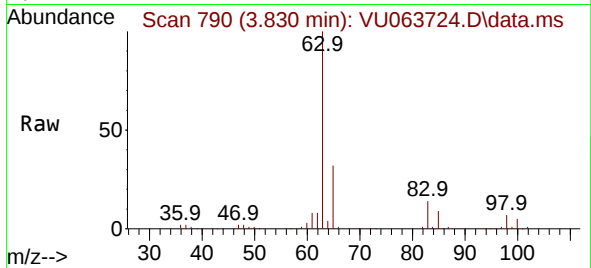




#19
1,1-Dichloroethane
Concen: 196.193 ug/L
RT: 3.830 min Scan# 791
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

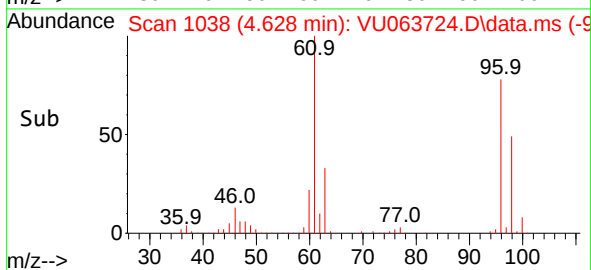
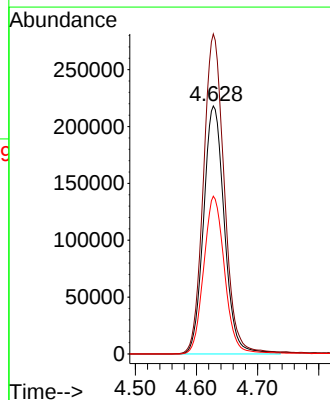
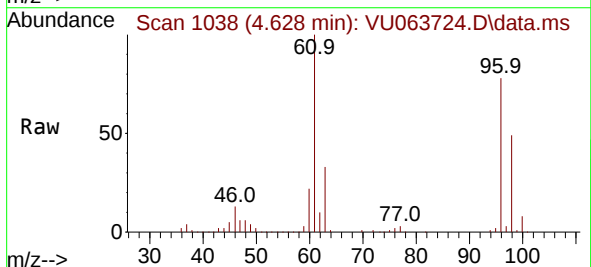
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

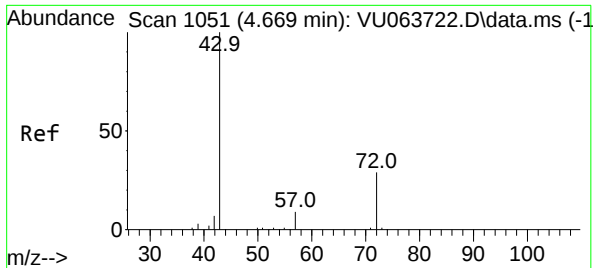
Tgt Ion: 63 Resp: 835279
Ion Ratio Lower Upper
63 100
65 31.7 22.0 41.0
83 14.2 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 207.448 ug/L
RT: 4.628 min Scan# 1038
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 96 Resp: 515965
Ion Ratio Lower Upper
96 100
61 129.0 90.3 167.7
98 63.6 46.3 86.1

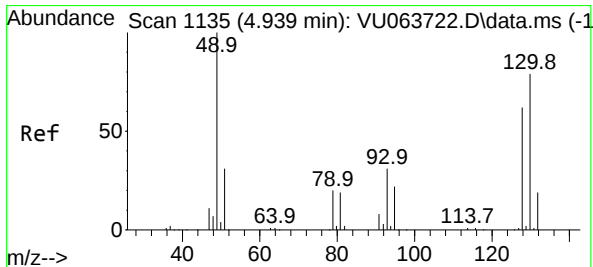
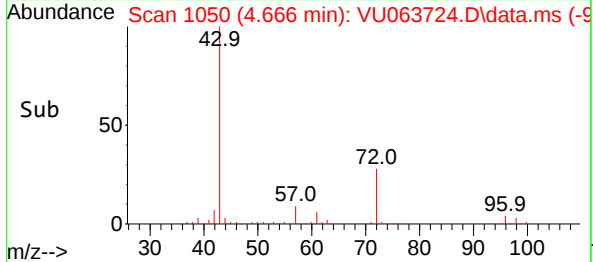
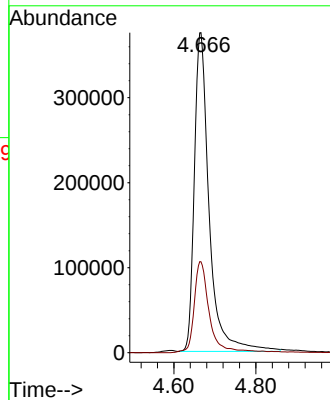
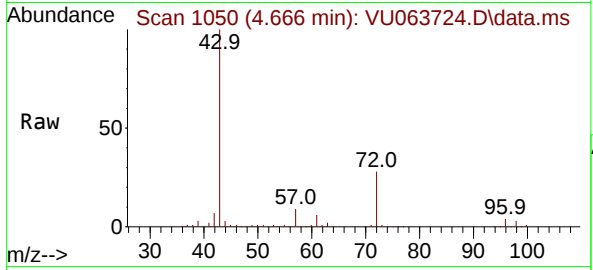




#22
2-Butanone
Concen: 434.110 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

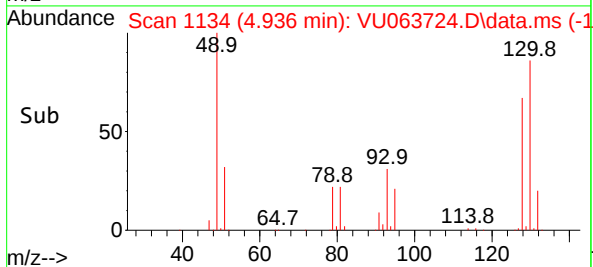
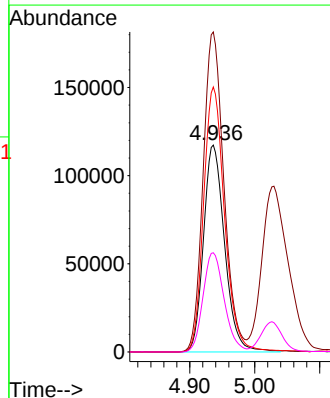
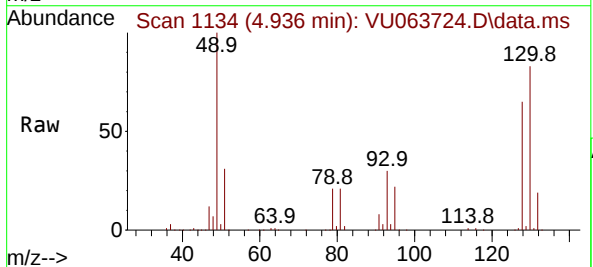
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

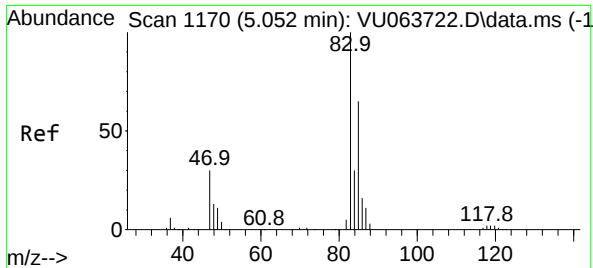
Tgt Ion: 43 Resp: 939591
Ion Ratio Lower Upper
43 100
72 28.2 13.6 40.7



#23
Bromochloromethane
Concen: 204.737 ug/L
RT: 4.936 min Scan# 1134
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion:128 Resp: 265278
Ion Ratio Lower Upper
128 100
49 154.7 113.5 210.7
130 128.1 89.8 166.8
51 48.0 39.7 59.5

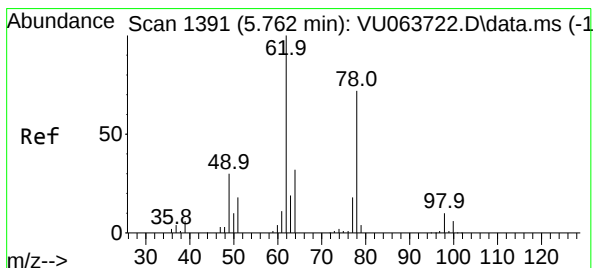
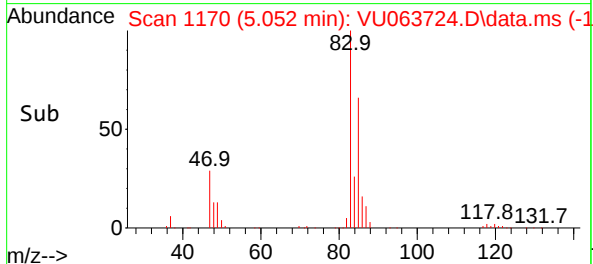
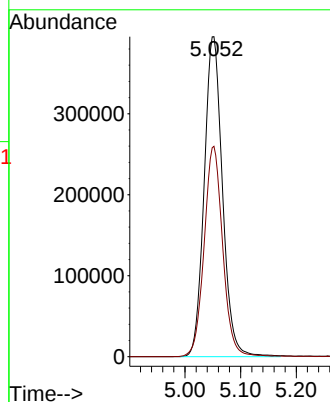
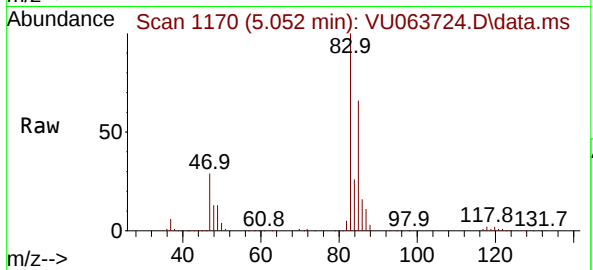




#25
Chloroform
Concen: 198.332 ug/L
RT: 5.052 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

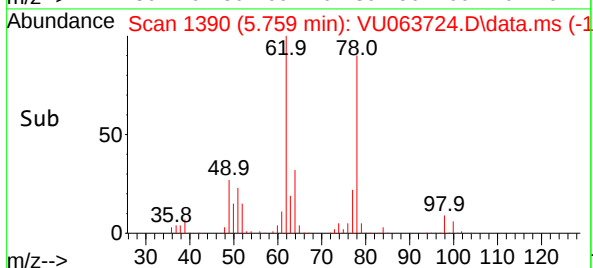
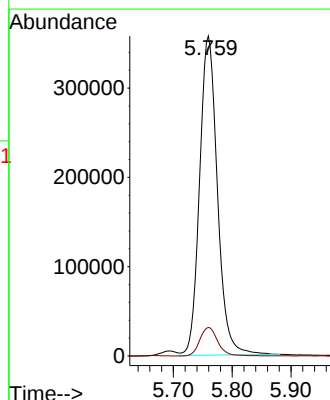
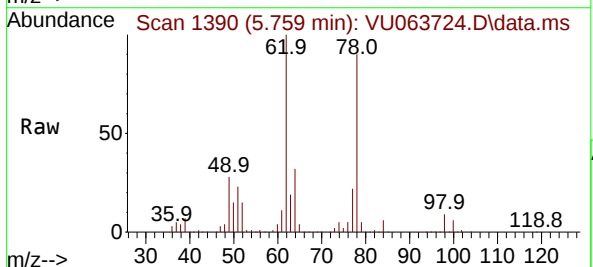
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

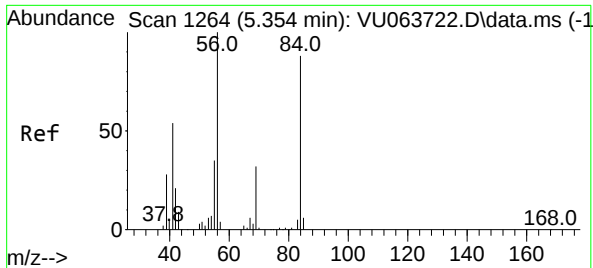
Tgt Ion: 83 Resp: 902885
Ion Ratio Lower Upper
83 100
85 65.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 202.487 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 62 Resp: 754090
Ion Ratio Lower Upper
62 100
98 8.9 7.6 11.4





#29

Cyclohexane

Concen: 200.153 ug/L

RT: 5.351 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD200049

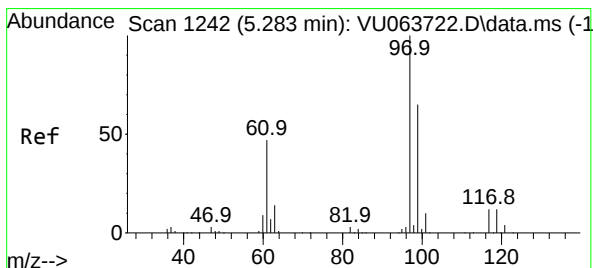
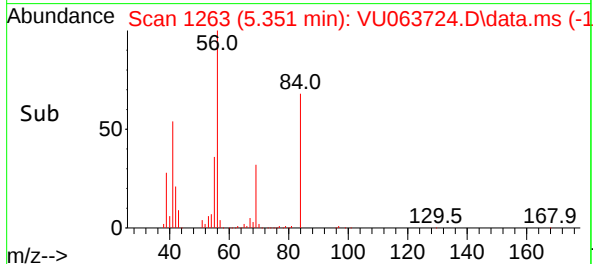
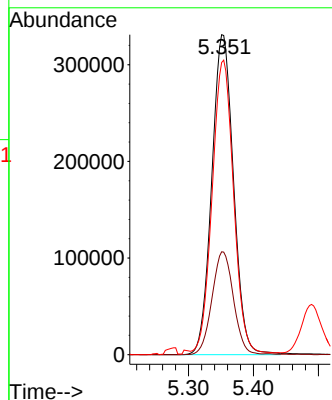
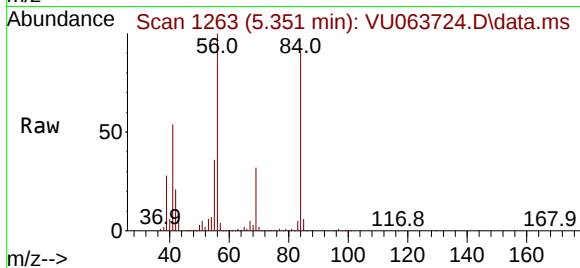
Tgt Ion: 56 Resp: 769529

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.8

84 91.1 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 216.219 ug/L

RT: 5.280 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

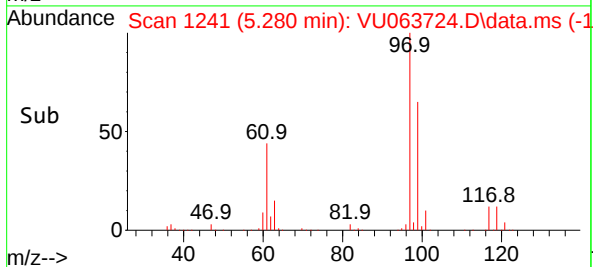
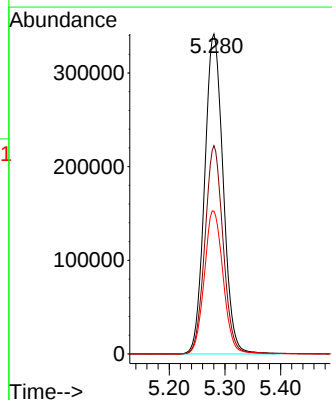
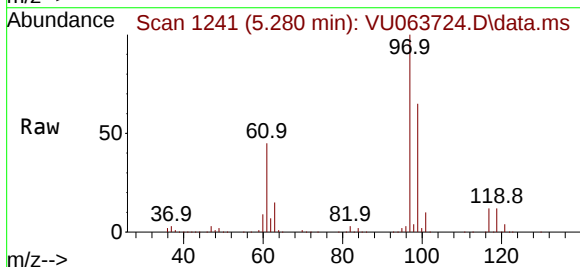
Tgt Ion: 97 Resp: 789441

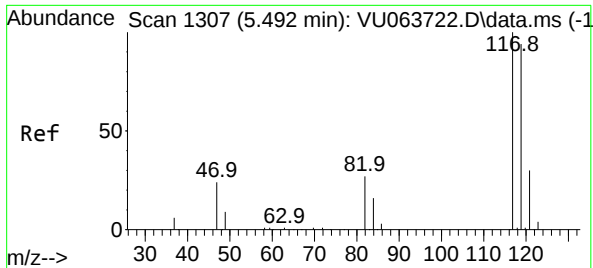
Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 45.3 37.2 55.8

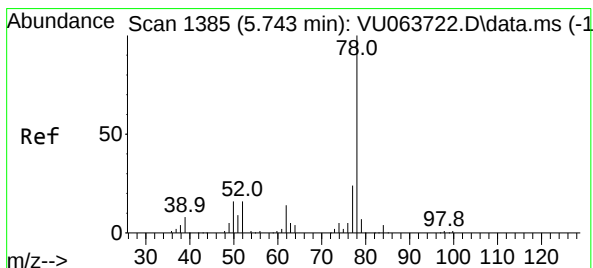
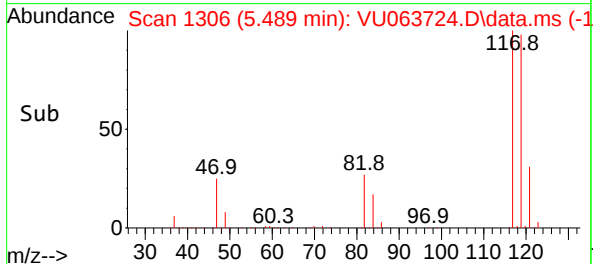
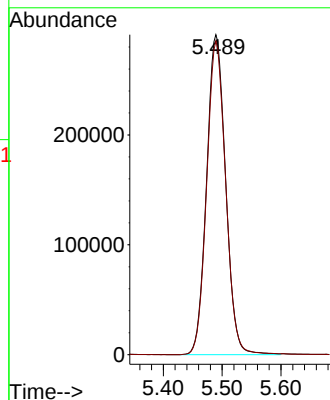
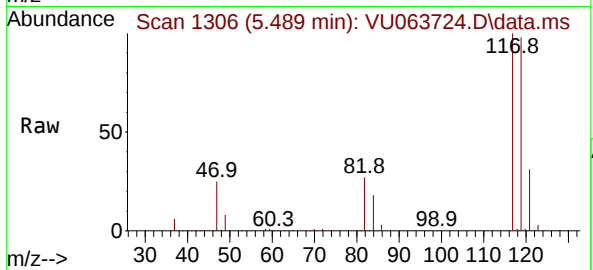




#31
Carbon tetrachloride
Concen: 225.547 ug/L
RT: 5.489 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

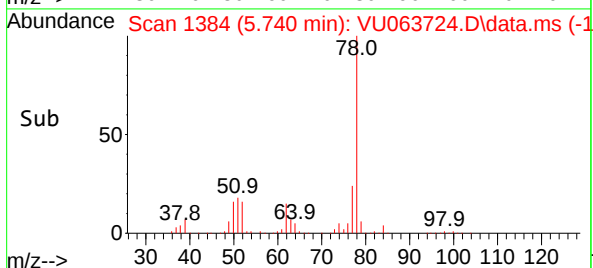
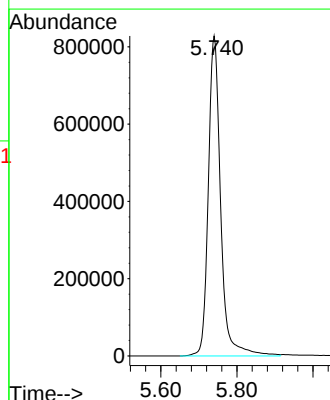
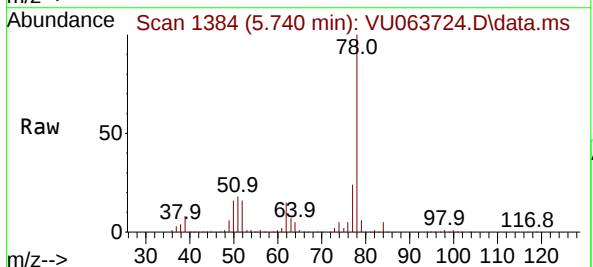
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

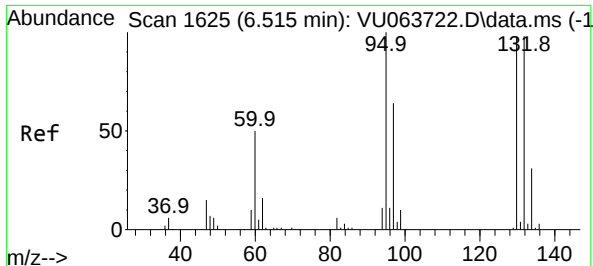
Tgt Ion:117 Resp: 655929
Ion Ratio Lower Upper
117 100
119 97.4 76.0 114.0



#33
Benzene
Concen: 198.352 ug/L
RT: 5.740 min Scan# 1384
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 78 Resp: 1869515





#34

Trichloroethene

Concen: 198.922 ug/L

RT: 6.512 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD200049

Tgt Ion: 95 Resp: 534076

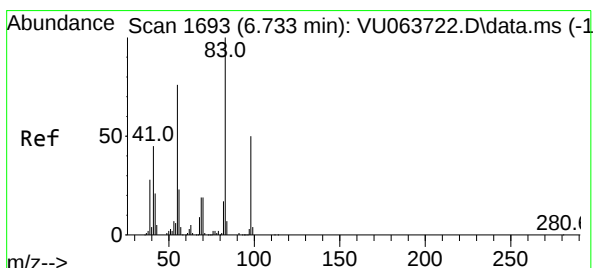
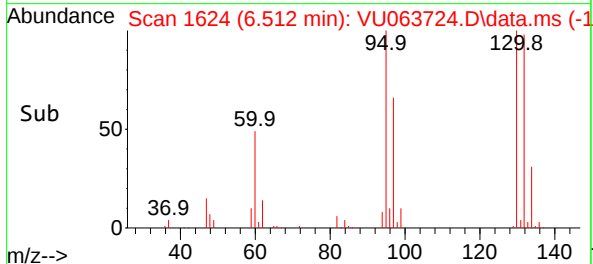
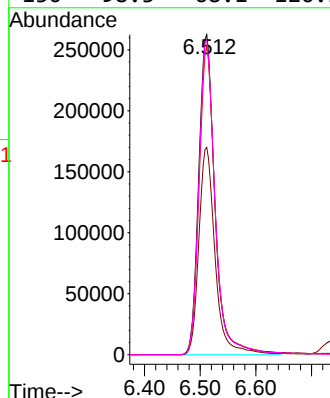
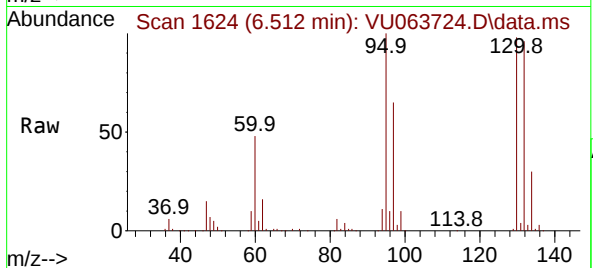
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 96.2 68.3 126.8

130 98.3 68.1 126.5



#35

Methylcyclohexane

Concen: 201.784 ug/L

RT: 6.730 min Scan# 1692

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

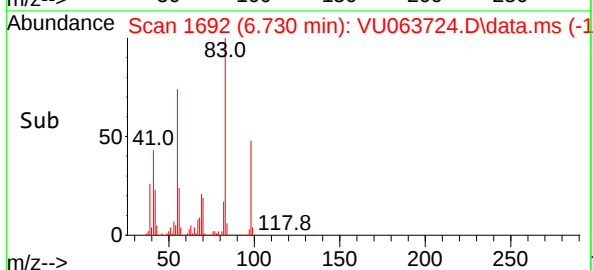
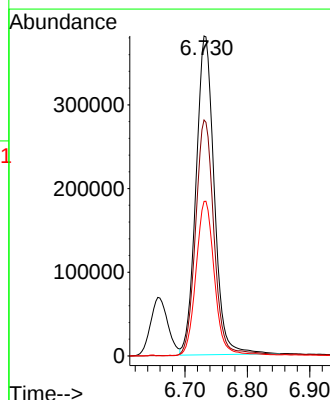
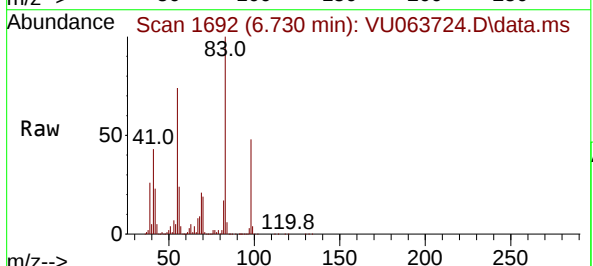
Tgt Ion: 83 Resp: 774965

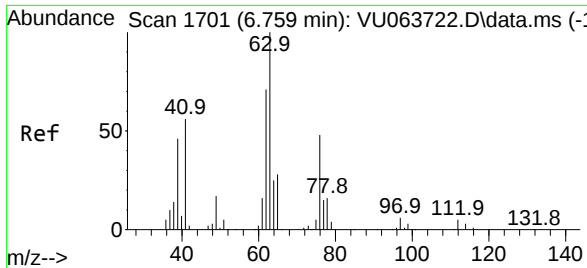
Ion Ratio Lower Upper

83 100

55 75.4 60.9 91.3

98 48.6 39.7 59.5

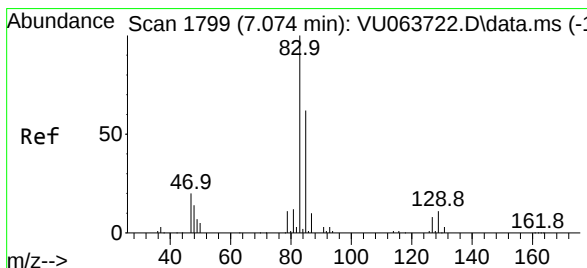
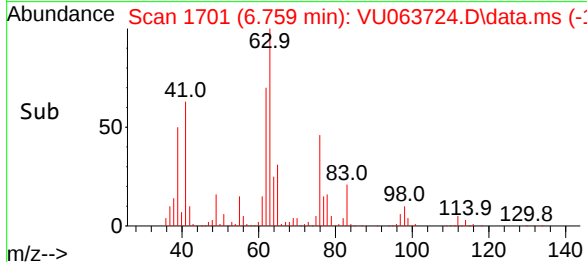
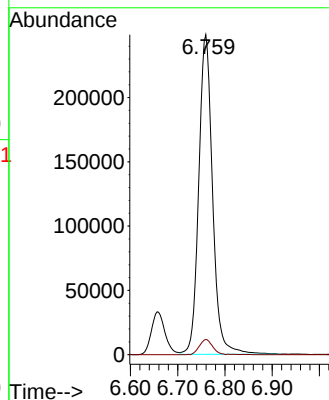
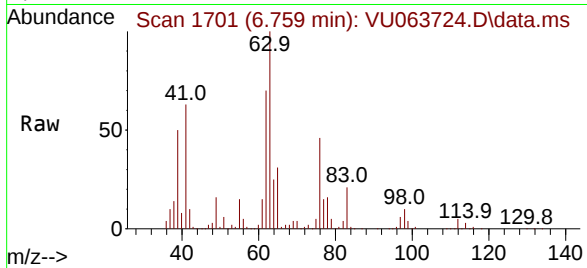




#37
1,2-Dichloropropane
Concen: 193.715 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

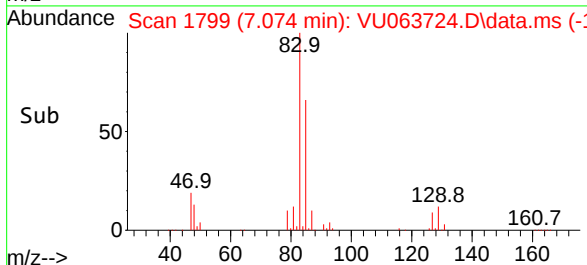
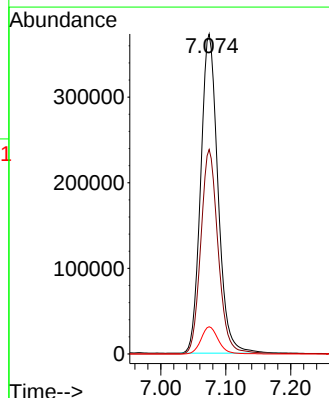
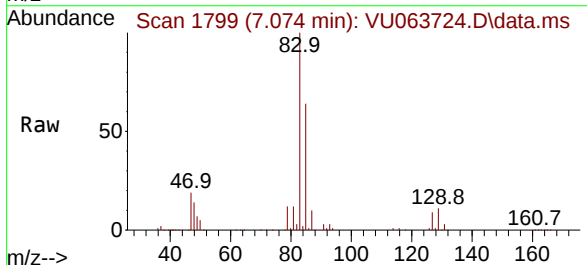
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

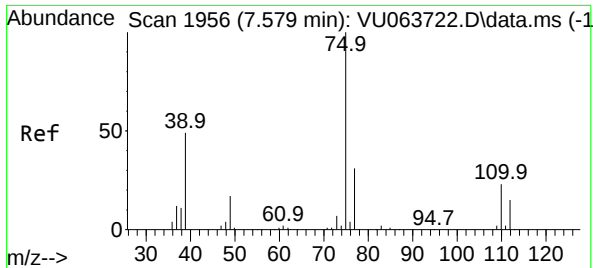
Tgt Ion: 63 Resp: 505087
Ion Ratio Lower Upper
63 100
112 4.5 3.7 5.5



#38
Bromodichloromethane
Concen: 218.823 ug/L
RT: 7.074 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 83 Resp: 691001
Ion Ratio Lower Upper
83 100
85 63.9 43.1 80.1
127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 238.727 ug/L

RT: 7.576 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

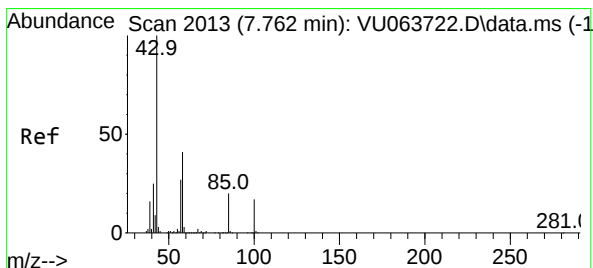
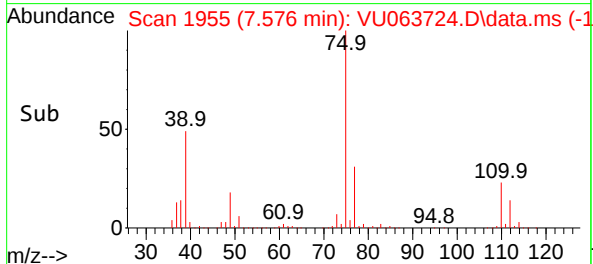
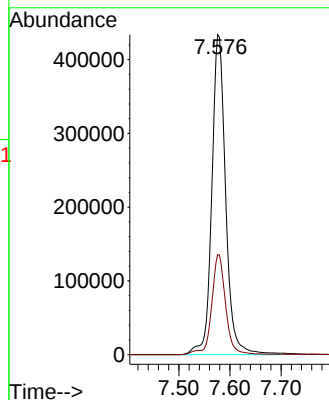
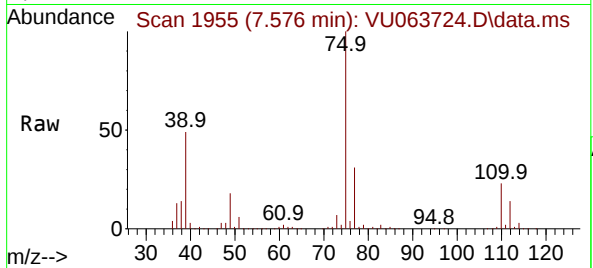
VSTD200049

Tgt Ion: 75 Resp: 818497

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 408.306 ug/L

RT: 7.762 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

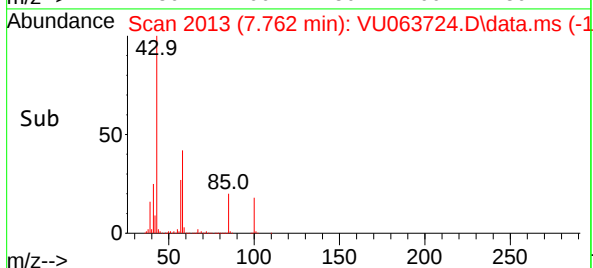
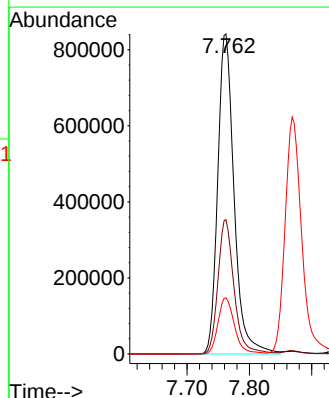
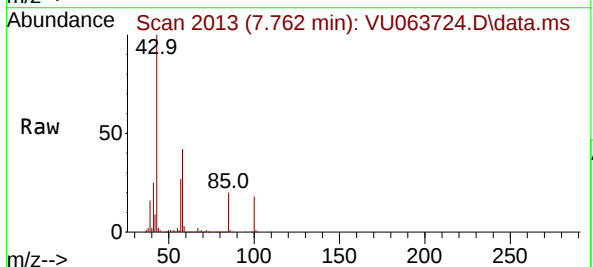
Tgt Ion: 43 Resp: 1530116

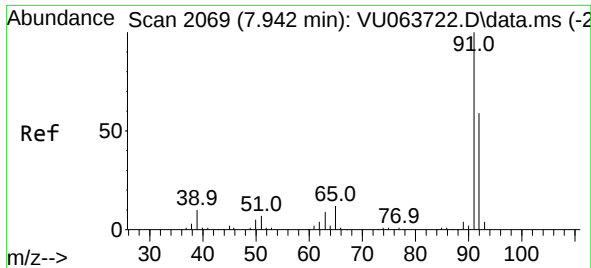
Ion Ratio Lower Upper

43 100

58 41.4 32.9 49.3

100 17.7 13.9 20.9





#42

Toluene

Concen: 198.920 ug/L

RT: 7.939 min Scan# 2068

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

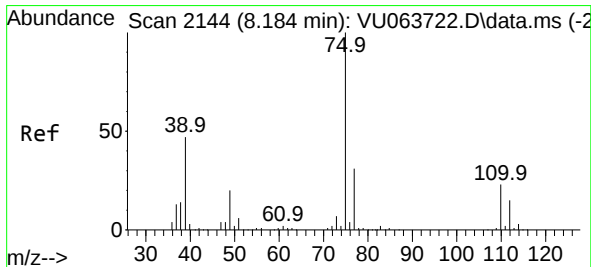
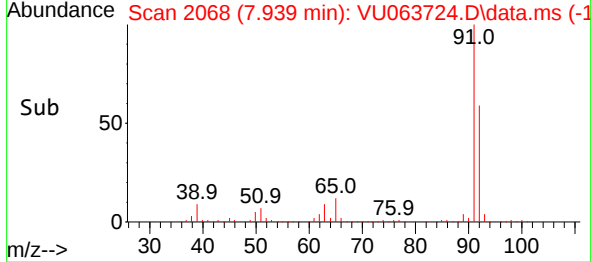
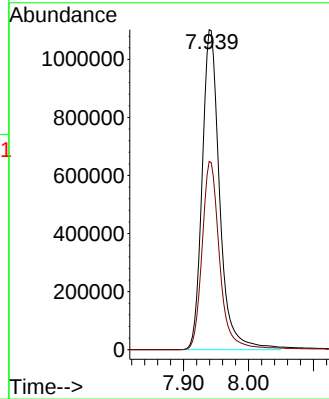
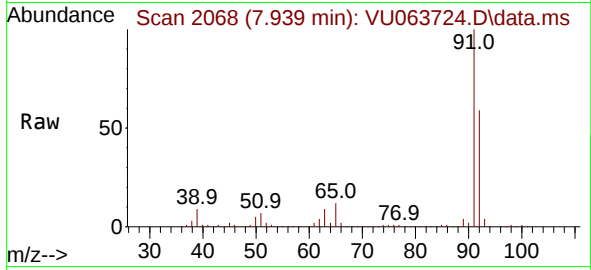
MSVOA_U

ClientSampleId :

VSTD200049

Tgt Ion: 91 Resp: 2071474

Ion	Ratio	Lower	Upper
91	100		
92	58.8	41.2	76.4



#44

trans-1,3-Dichloropropene

Concen: 234.181 ug/L

RT: 8.180 min Scan# 2143

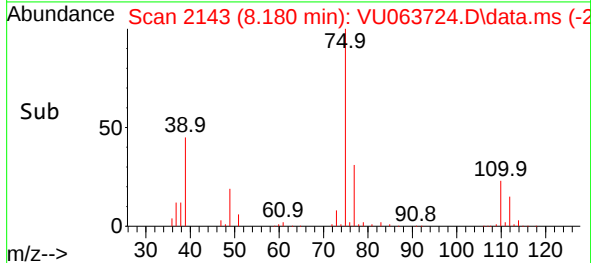
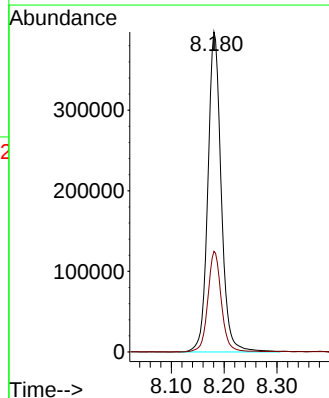
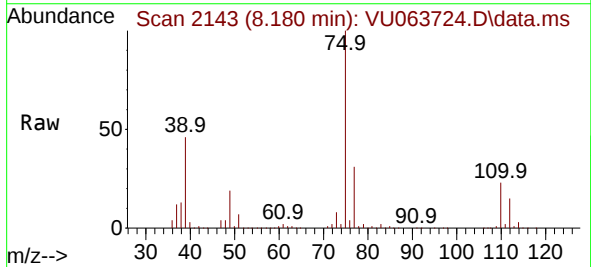
Delta R.T. -0.003 min

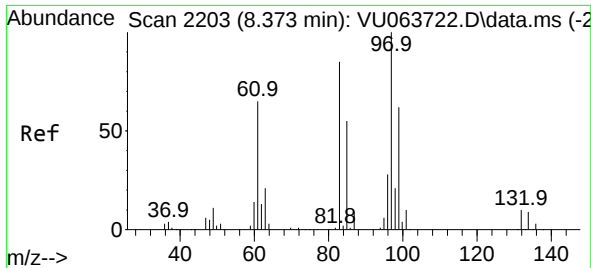
Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Tgt Ion: 75 Resp: 696509

Ion	Ratio	Lower	Upper
75	100		
77	31.4	21.4	39.8



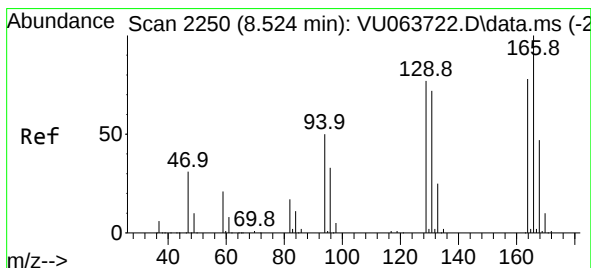
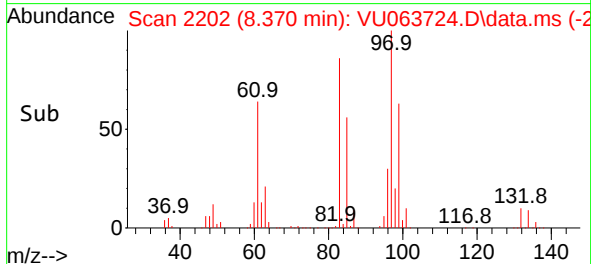
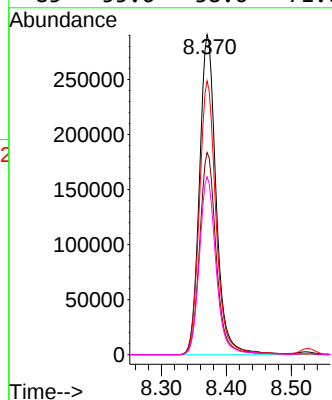
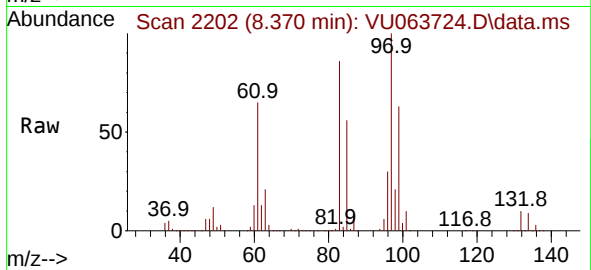


#45
1,1,2-Trichloroethane
Concen: 203.464 ug/L
RT: 8.370 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

Tgt Ion: 97 Resp: 519217

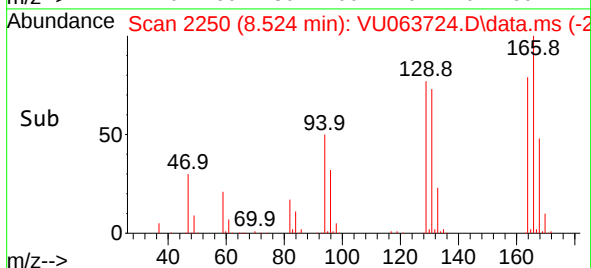
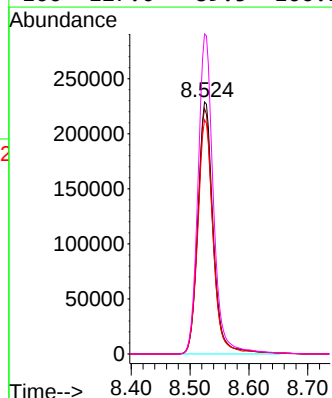
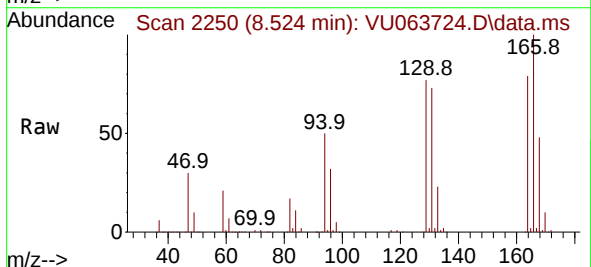
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.7	81.1
83	85.6	59.7	110.9
85	55.6	38.6	71.6

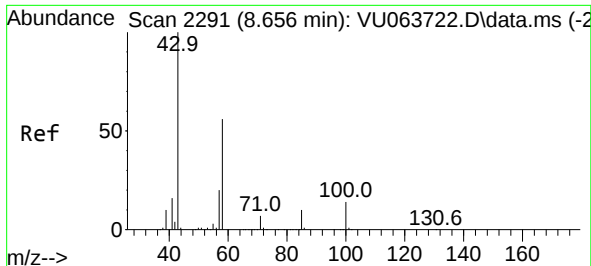


#46
Tetrachloroethene
Concen: 211.761 ug/L
RT: 8.524 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 164 Resp: 415601

Ion	Ratio	Lower	Upper
164	100		
129	97.4	68.5	127.3
131	92.9	64.3	119.3
166	127.0	89.5	166.1



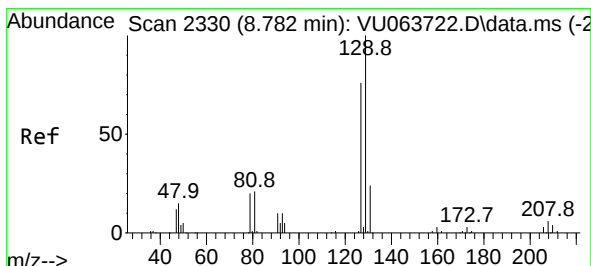
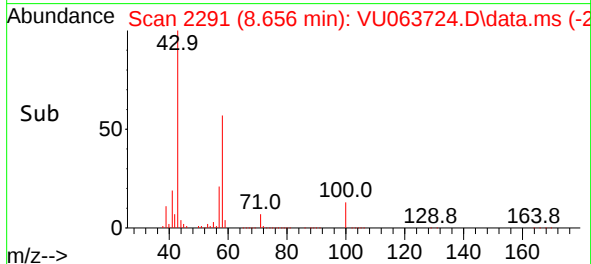
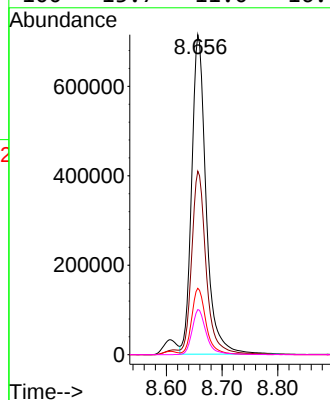
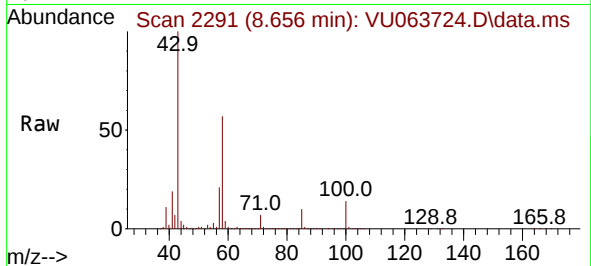


#48
2-Hexanone
Concen: 447.870 ug/L
RT: 8.656 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

Tgt Ion: 43 Resp: 1288421

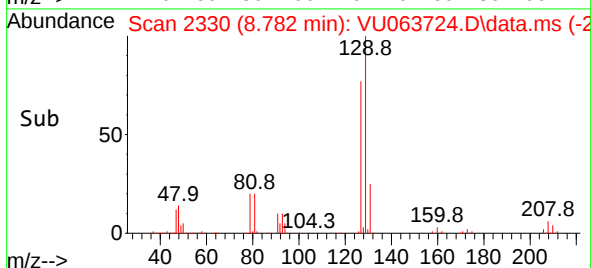
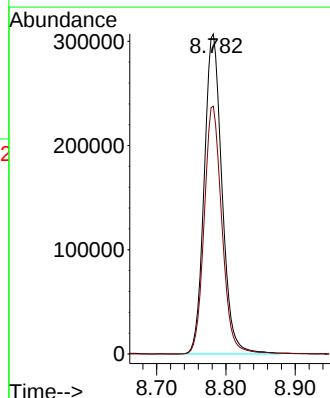
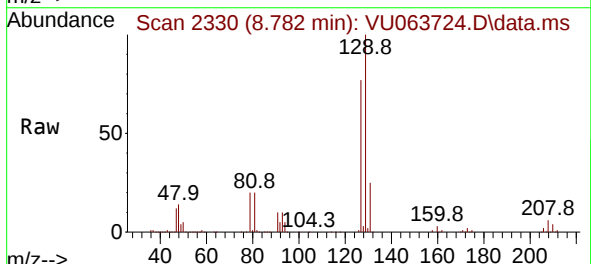
Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.8	67.2
57	20.5	16.6	24.8
100	13.7	11.0	16.4

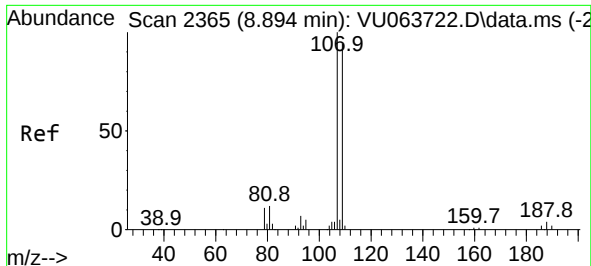


#49
Dibromochloromethane
Concen: 235.593 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion: 129 Resp: 546349

Ion	Ratio	Lower	Upper
129	100		
127	77.4	53.4	99.2





#50

1,2-Dibromoethane

Concen: 207.882 ug/L

RT: 8.894 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD200049

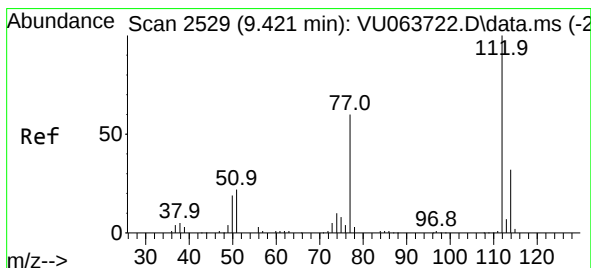
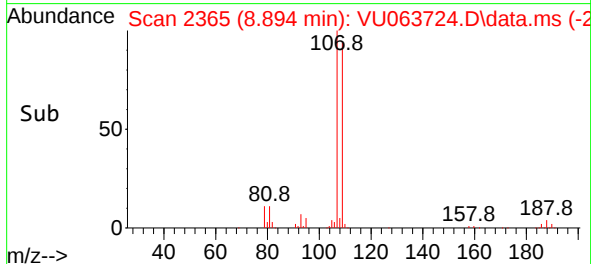
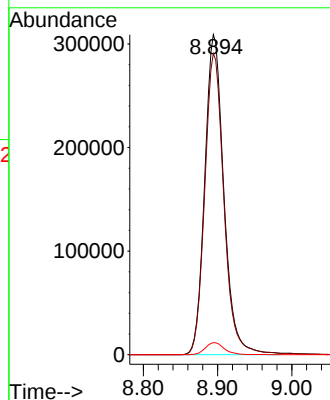
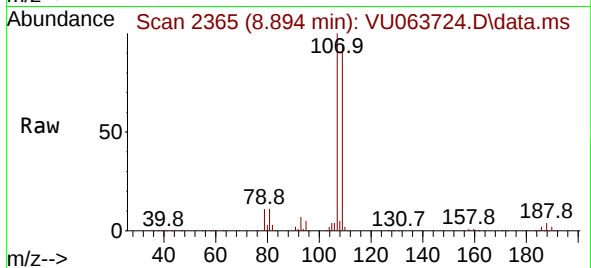
Tgt Ion:107 Resp: 551140

Ion Ratio Lower Upper

107 100

109 94.2 65.8 122.2

188 3.7 3.2 4.8



#51

Chlorobenzene

Concen: 204.526 ug/L

RT: 9.418 min Scan# 2528

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

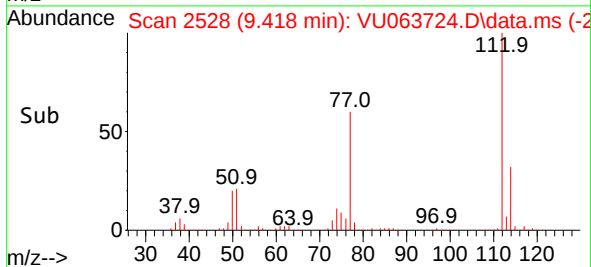
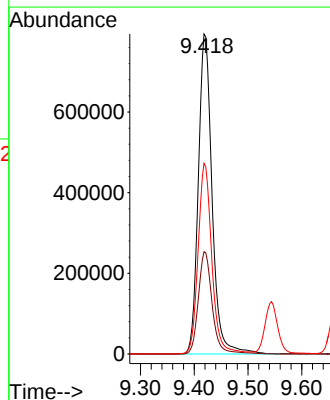
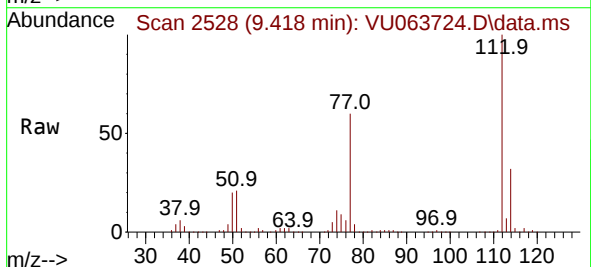
Tgt Ion:112 Resp: 1414668

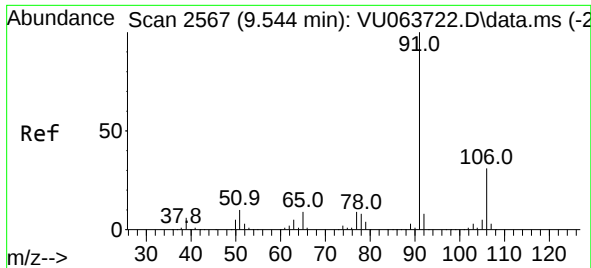
Ion Ratio Lower Upper

112 100

114 31.9 22.1 41.1

77 59.6 48.0 72.0

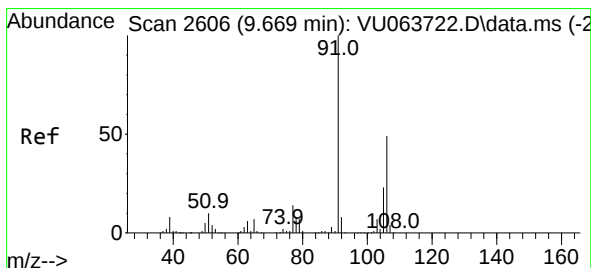
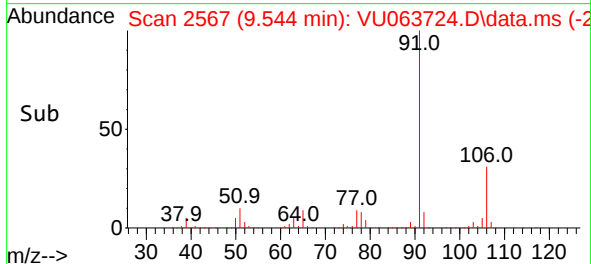
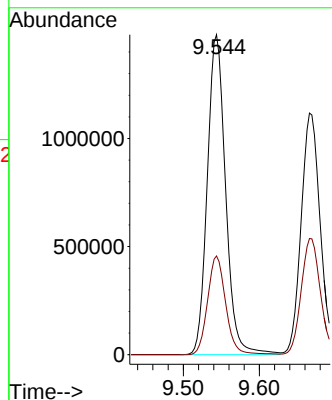
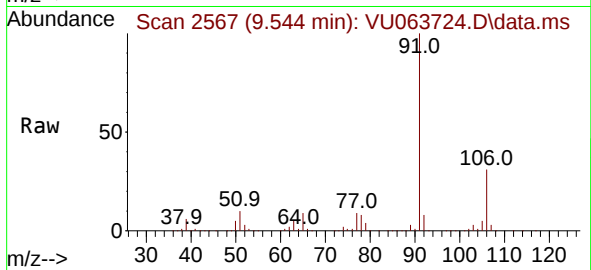




#52
Ethylbenzene
Concen: 213.528 ug/L
RT: 9.544 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

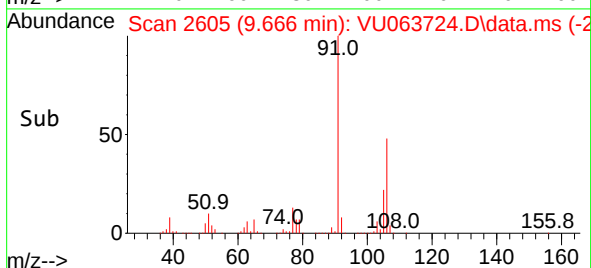
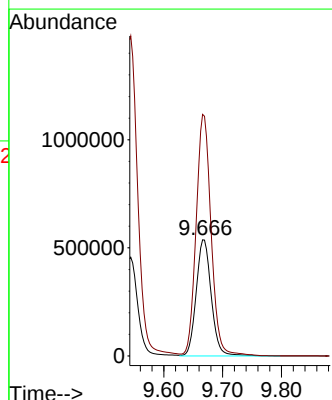
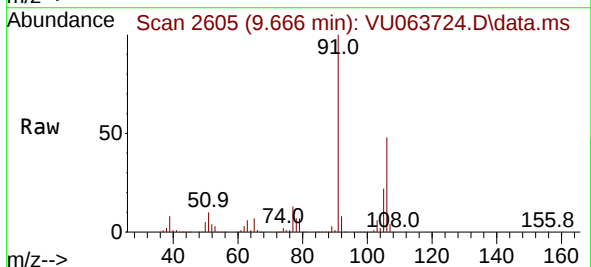
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

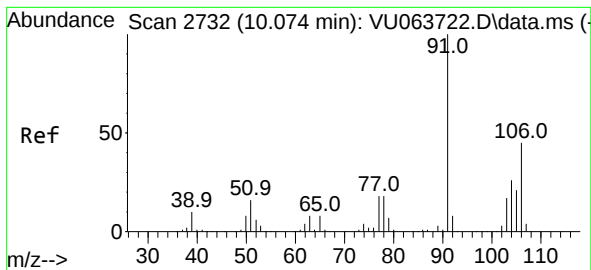
Tgt Ion: 91 Resp: 2476770
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.6



#53
m,p-Xylene
Concen: 219.254 ug/L
RT: 9.666 min Scan# 2605
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion:106 Resp: 956644
Ion Ratio Lower Upper
106 100
91 208.1 143.6 266.6





#54

o-Xylene

Concen: 218.104 ug/L

RT: 10.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

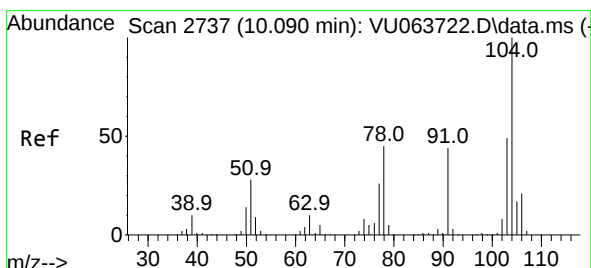
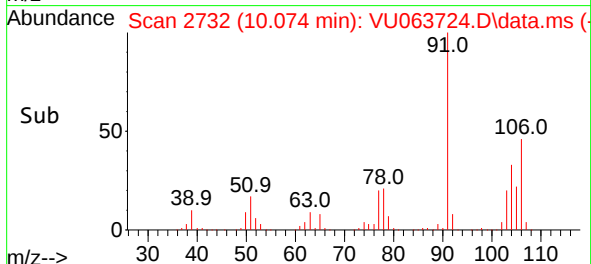
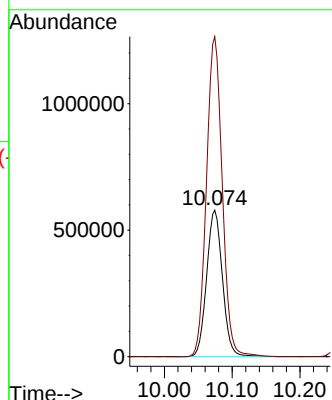
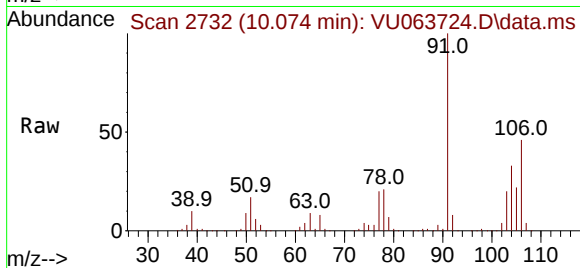
VSTD200049

Tgt Ion:106 Resp: 936937

Ion Ratio Lower Upper

106 100

91 218.4 156.0 289.6



#55

Styrene

Concen: 226.768 ug/L

RT: 10.087 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VU063724.D

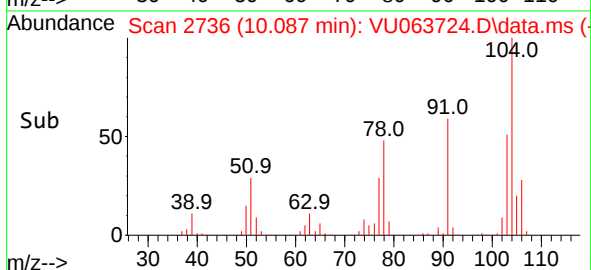
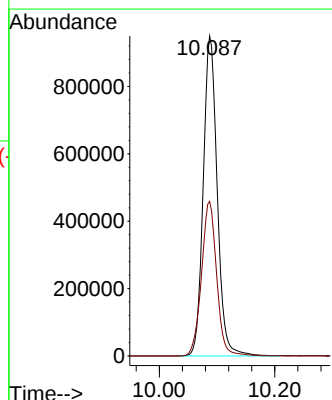
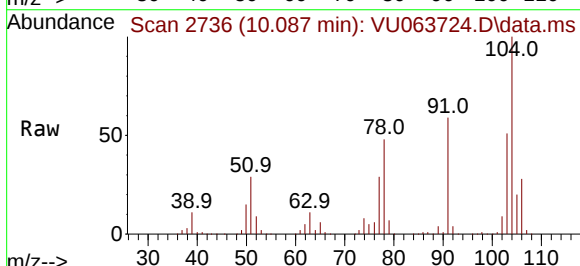
Acq: 17 Nov 2025 12:58

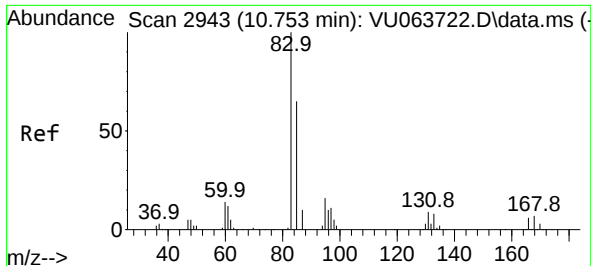
Tgt Ion:104 Resp: 1596346

Ion Ratio Lower Upper

104 100

78 48.3 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 206.744 ug/L

RT: 10.756 min Scan# 2944

Delta R.T. 0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD200049

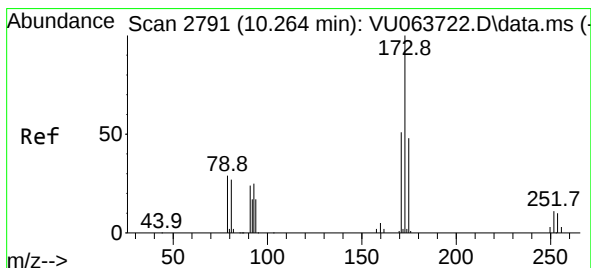
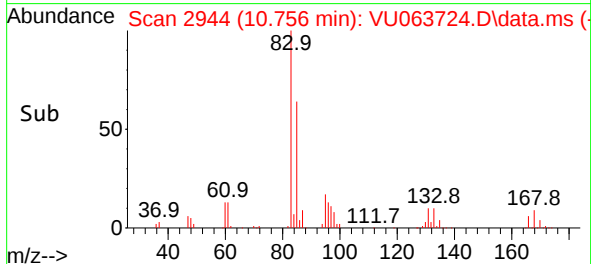
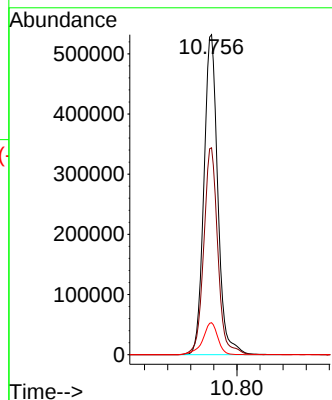
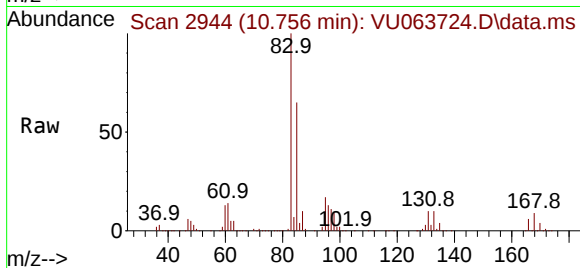
Tgt Ion: 83 Resp: 886086

Ion Ratio Lower Upper

83 100

85 64.7 45.7 84.9

131 10.0 7.4 11.2



#59

Bromoform

Concen: 232.111 ug/L

RT: 10.264 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

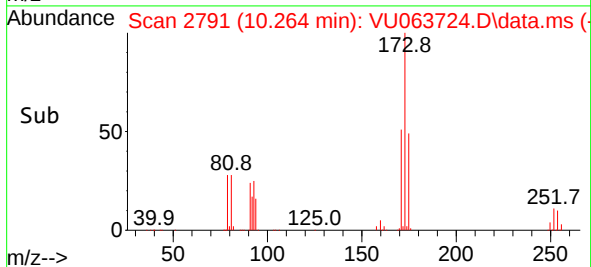
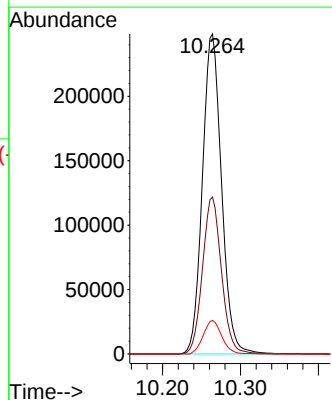
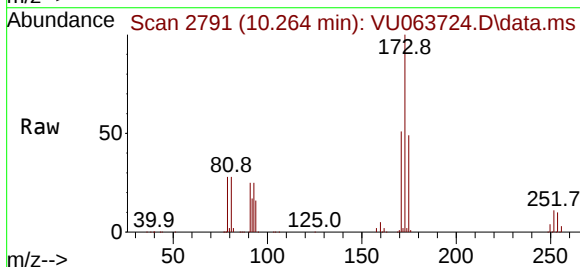
Tgt Ion:173 Resp: 423173

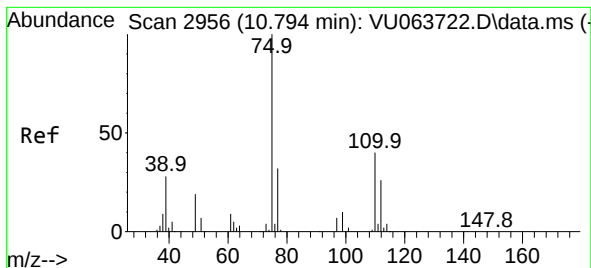
Ion Ratio Lower Upper

173 100

175 48.6 38.2 57.4

254 10.2 6.9 10.3





#60

1,2,3-Trichloropropane

Concen: 190.423 ug/L

RT: 10.794 min Scan# 2956

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD200049

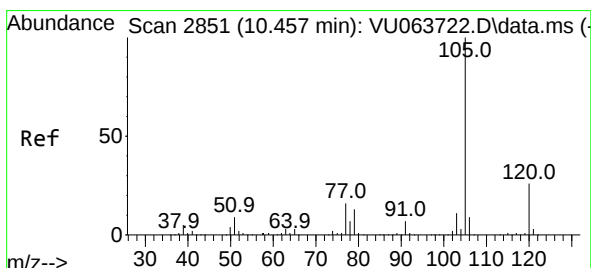
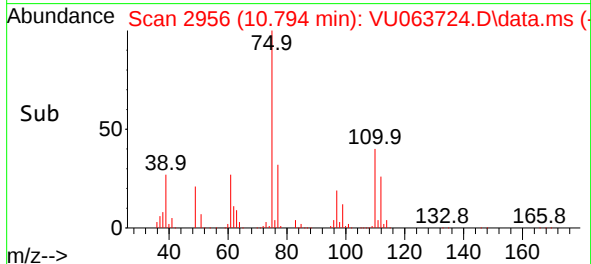
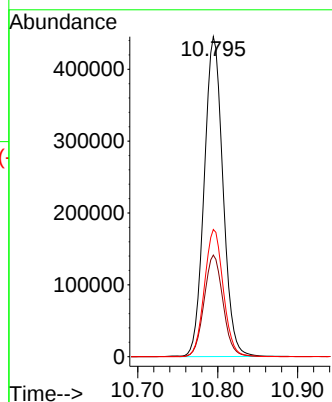
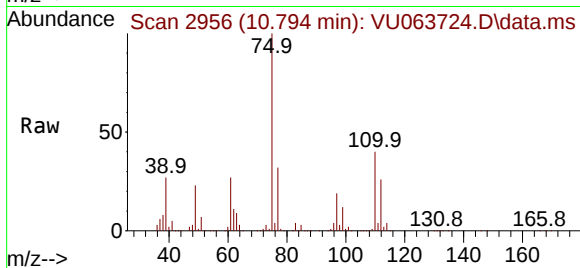
Tgt Ion: 75 Resp: 727221

Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1

110 40.1 32.3 48.5



#61

Isopropylbenzene

Concen: 201.940 ug/L

RT: 10.457 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

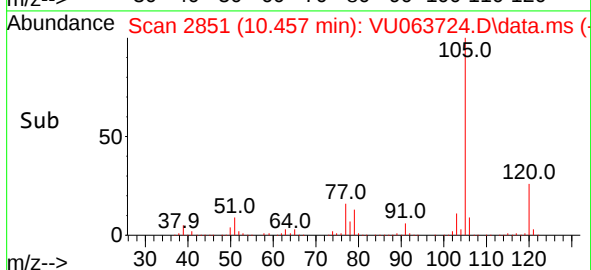
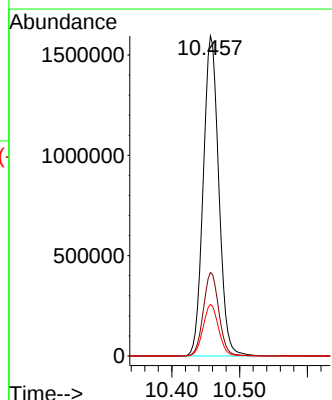
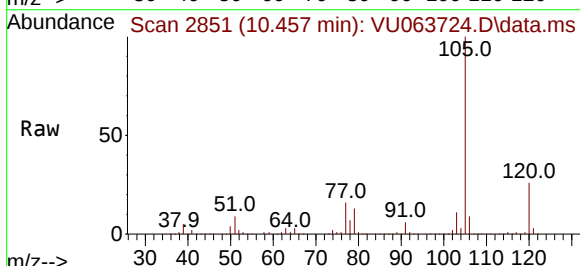
Tgt Ion: 105 Resp: 2537621

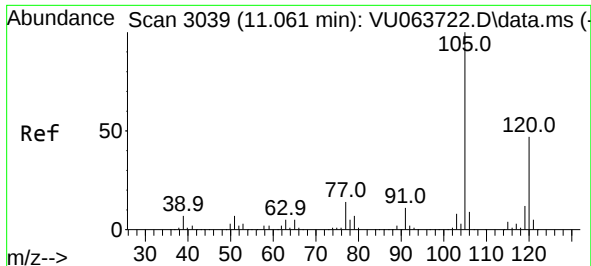
Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

77 16.1 12.9 19.3

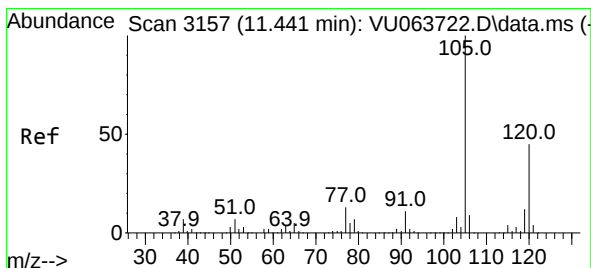
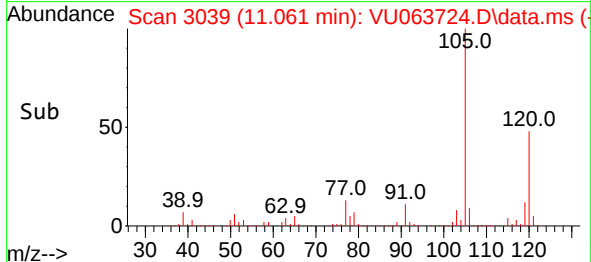
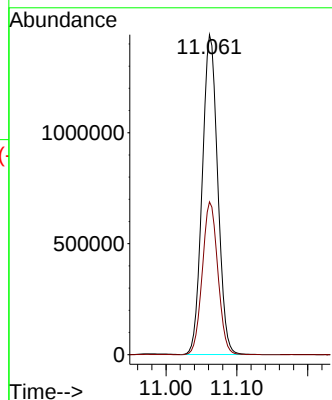
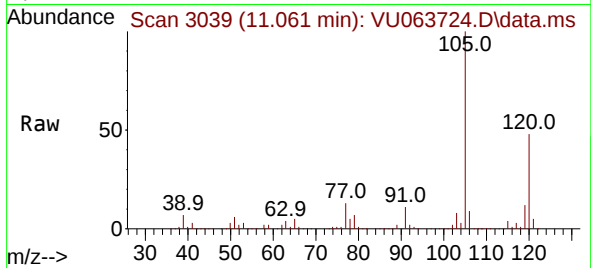




#62
1,3,5-Trimethylbenzene
Concen: 211.673 ug/L
RT: 11.061 min Scan# 3039
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

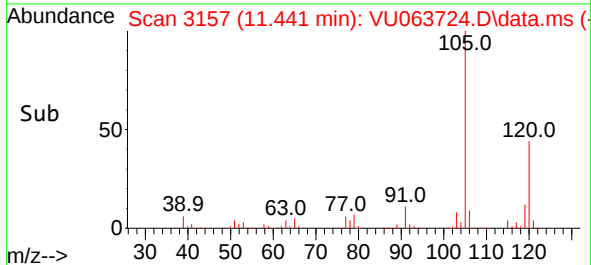
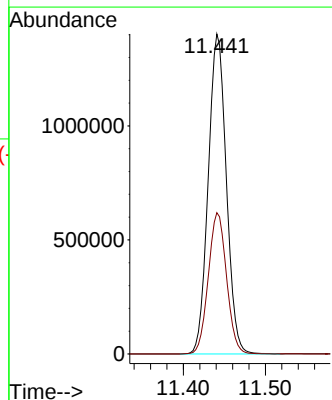
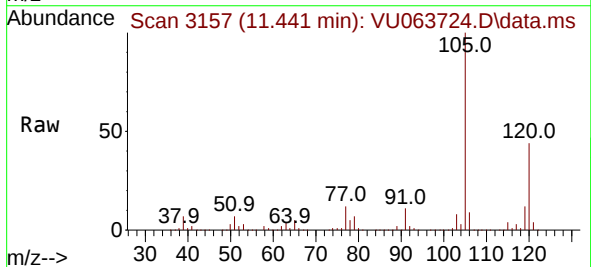
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

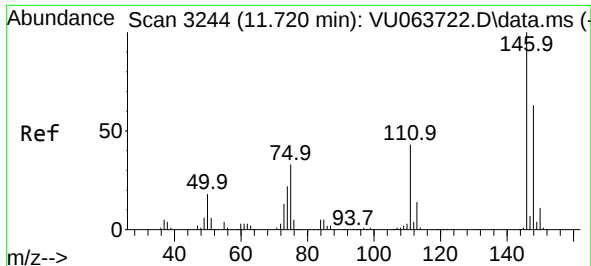
Tgt Ion:105 Resp: 2182640
Ion Ratio Lower Upper
105 100
120 47.9 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 215.616 ug/L
RT: 11.441 min Scan# 3157
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion:105 Resp: 2148841
Ion Ratio Lower Upper
105 100
120 44.5 35.6 53.4

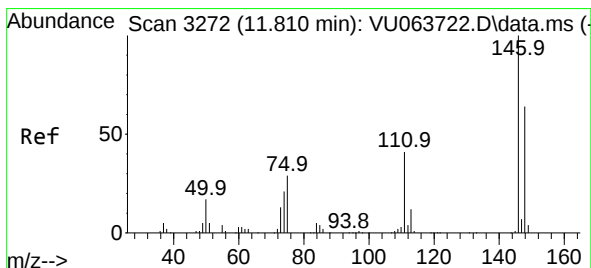
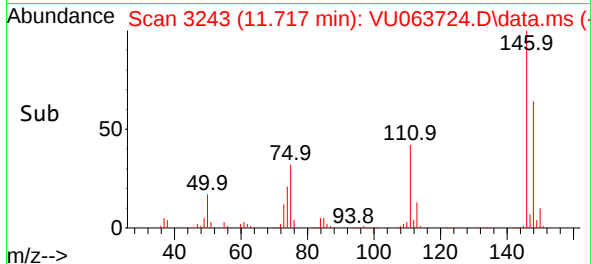
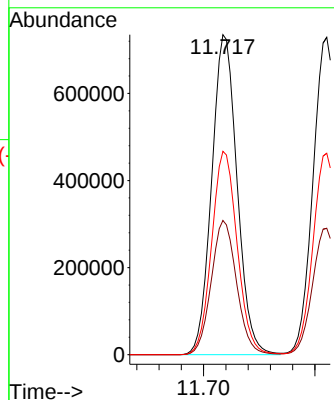
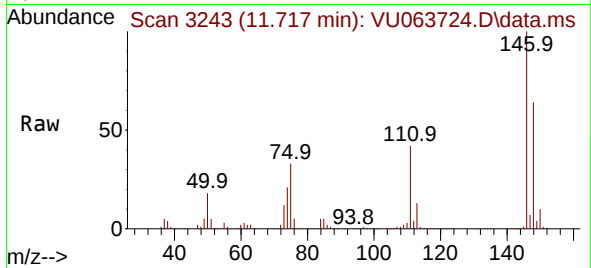




#64
1,3-Dichlorobenzene
Concen: 204.074 ug/L
RT: 11.717 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

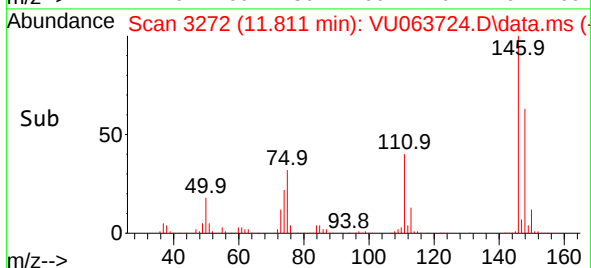
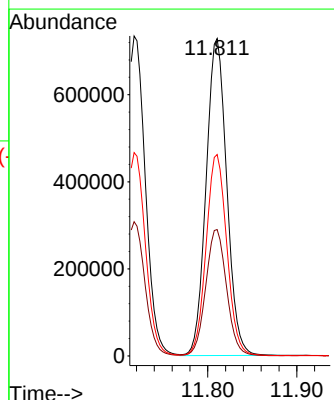
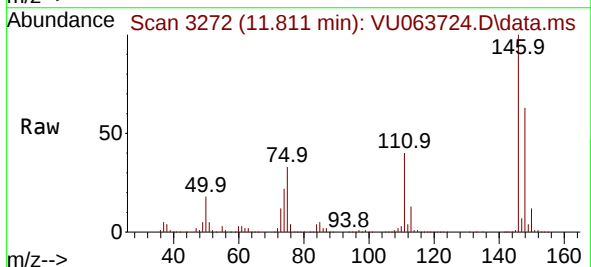
Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

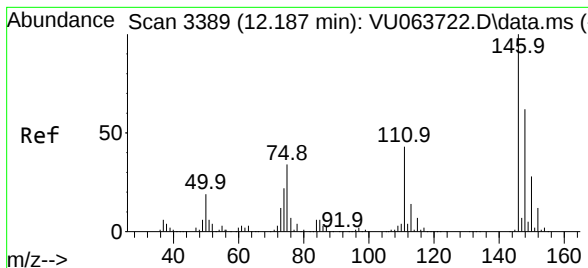
Tgt Ion:146 Resp: 1165047
Ion Ratio Lower Upper
146 100
111 42.0 29.8 55.3
148 63.6 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 203.196 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion:146 Resp: 1170771
Ion Ratio Lower Upper
146 100
111 39.8 28.8 53.4
148 63.5 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 201.483 ug/L

RT: 12.187 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD200049

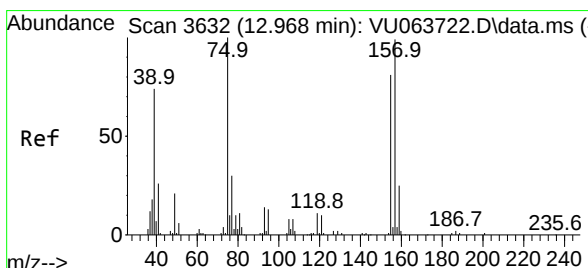
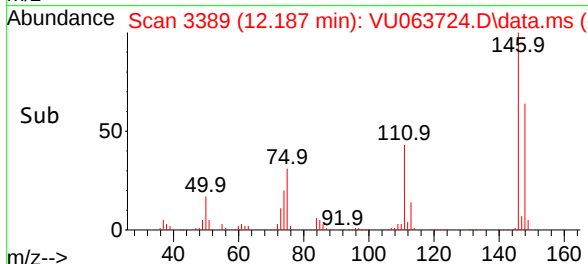
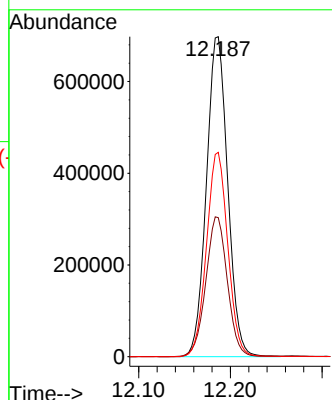
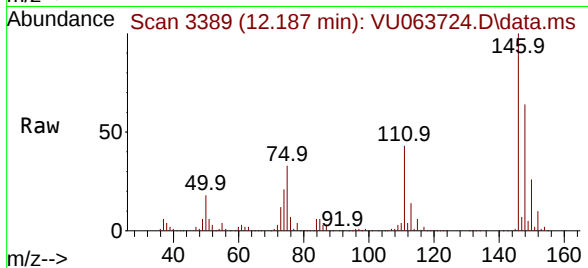
Tgt Ion:146 Resp: 1126146

Ion Ratio Lower Upper

146 100

111 43.5 34.2 51.4

148 63.8 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 249.463 ug/L

RT: 12.965 min Scan# 3631

Delta R.T. -0.003 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

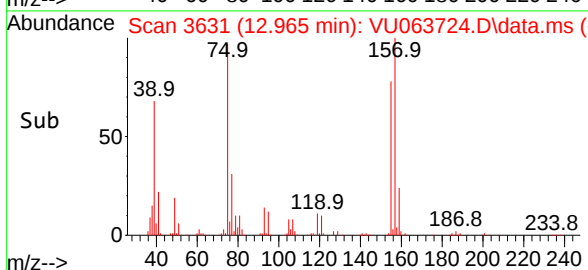
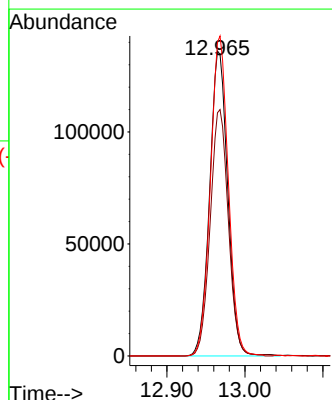
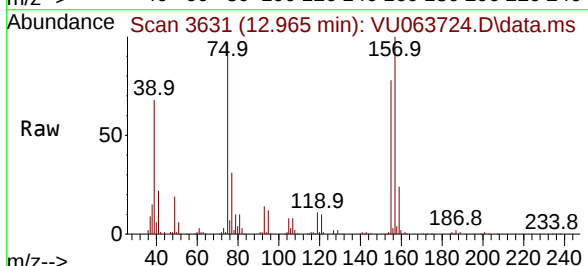
Tgt Ion: 75 Resp: 219764

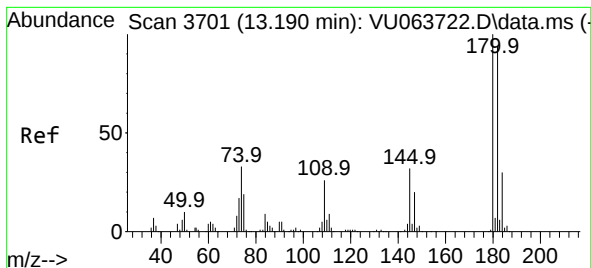
Ion Ratio Lower Upper

75 100

155 79.7 64.6 97.0

157 107.0 78.8 118.2





#69

1,3,5-Trichlorobenzene

Concen: 211.734 ug/L

RT: 13.190 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD200049

Tgt Ion:180 Resp: 843469

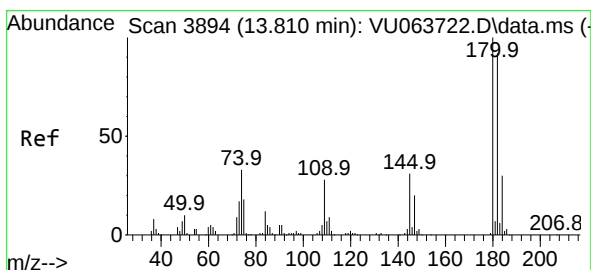
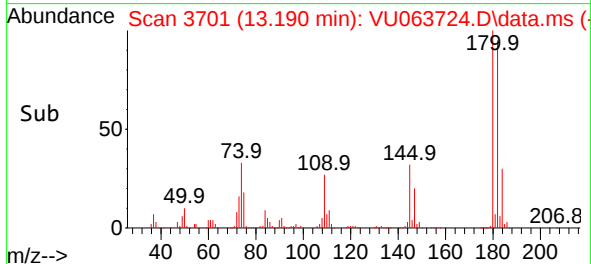
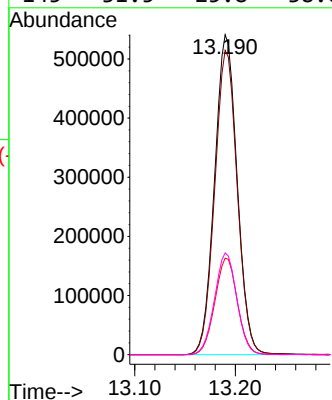
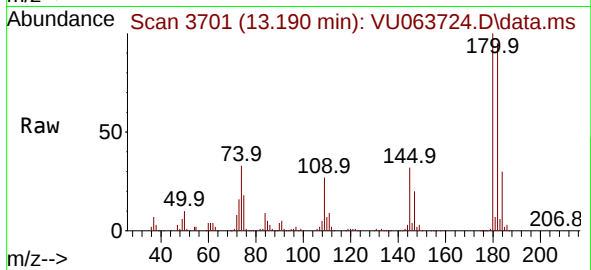
Ion Ratio Lower Upper

180 100

182 95.0 76.4 114.6

184 30.2 24.4 36.6

145 31.5 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 229.767 ug/L

RT: 13.810 min Scan# 3894

Delta R.T. 0.000 min

Lab File: VU063724.D

Acq: 17 Nov 2025 12:58

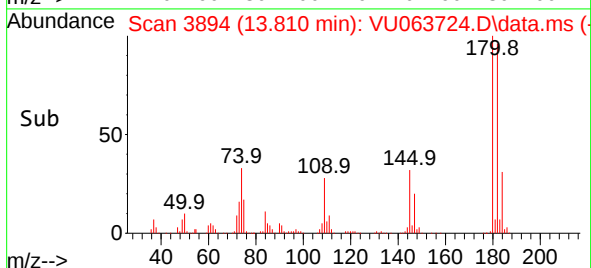
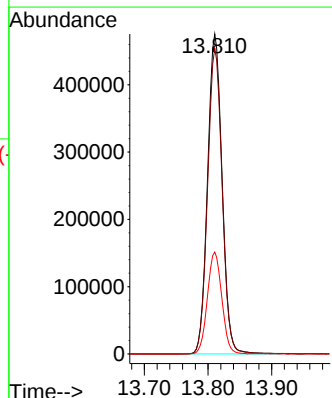
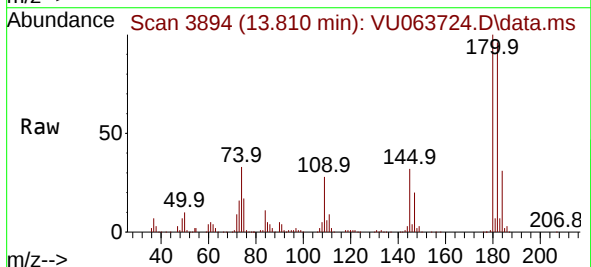
Tgt Ion:180 Resp: 754081

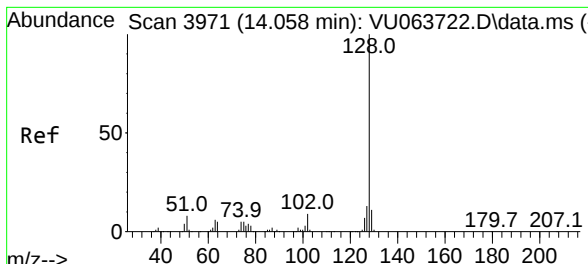
Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.8

145 31.6 25.7 38.5

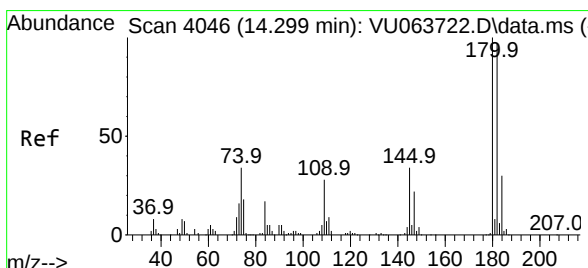
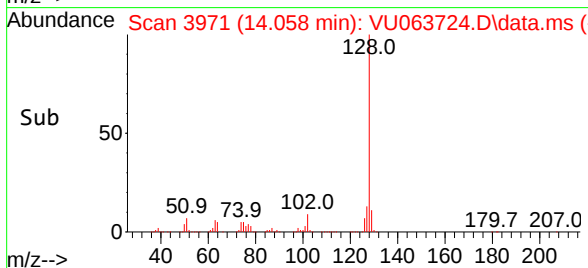
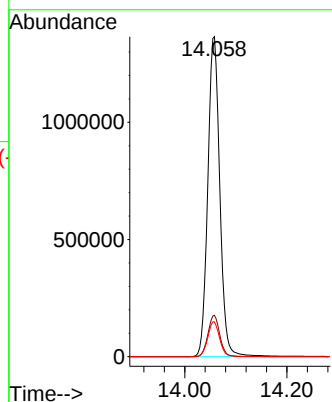
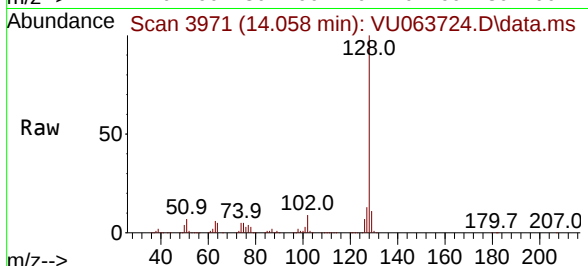




#71
Naphthalene
Concen: 249.468 ug/L
RT: 14.058 min Scan# 3971
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD200049

Tgt Ion:128 Resp: 2225086
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 226.987 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. 0.000 min
Lab File: VU063724.D
Acq: 17 Nov 2025 12:58

Tgt Ion:180 Resp: 713941
Ion Ratio Lower Upper
180 100
182 95.6 76.9 115.3
145 33.3 26.6 39.8

