

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111025\
 Data File : VU063695.D
 Acq On : 10 Nov 2025 15:03
 Operator : MD/SY
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Nov 11 01:47:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:41:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	689372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	1294895	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	1315610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	858939	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	529427	51.988	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.980%	
35) Dibromofluoromethane	5.255	113	454282	50.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.180%	
50) Toluene-d8	7.872	98	1490422	45.743	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 91.480%#	
62) 4-Bromofluorobenzene	10.608	95	759934	56.383	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.760%	

Target Compounds				Qvalue		
3) Chloromethane	1.509	50	1457	Below Cal	97	
4) Vinyl Chloride	1.589	62	1674	0.327 ug/l #	76	
5) Bromomethane	1.837	94	1931	Below Cal	84	
10) Methyl Iodide	2.692	142	1052	3.111 ug/l #	39	
11) Tert butyl alcohol	3.161	59	1853	0.780 ug/l #	73	
12) 1,1-Dichloroethene	2.554	96	1823	0.340 ug/l #	90	
13) Acrolein	2.464	56	1041	Below Cal	90	
14) Allyl chloride	2.895	41	2766	0.277 ug/l	94	
15) Acrylonitrile	3.322	53	1351	0.278 ug/l #	71	
16) Acetone	2.605	43	3832	Below Cal	91	
17) Carbon Disulfide	2.766	76	6629	0.859 ug/l #	93	
18) Methyl Acetate	2.936	43	1869	1.666 ug/l #	66	
20) Methylene Chloride	3.020	84	2728	Below Cal	91	
21) trans-1,2-Dichloroethene	3.325	96	3489	0.634 ug/l #	79	
27) cis-1,2-Dichloroethene	4.647	96	2697	0.335 ug/l	92	
28) Bromochloromethane	4.943	49	1612	0.317 ug/l #	82	
29) Tetrahydrofuran	5.046	42	2907	0.712 ug/l #	57	
31) Cyclohexane	5.341	56	16112	0.243 ug/l #	1	
36) 1,1-Dichloropropene	5.509	75	2932	0.318 ug/l	91	
38) Carbon Tetrachloride	5.341	117	72258	7.243 ug/l #	15	
44) Trichloroethene	6.521	130	2604	0.312 ug/l	81	
46) Dibromomethane	6.894	93	1902	0.313 ug/l	89	
49) 1,4-Dioxane	6.959	88	1841	7.389 ug/l #	80	
51) 4-Methyl-2-Pentanone	7.769	43	26008	1.774 ug/l	99	
53) t-1,3-Dichloropropene	8.197	75	2929	0.282 ug/l	98	
56) Ethyl methacrylate	8.319	69	3099	0.237 ug/l #	86	
58) 2-Chloroethyl Vinyl ether	7.441	63	76	0.483 ug/l #	57	
59) 2-Hexanone	8.669	43	36326	3.327 ug/l	94	
65) Chlorobenzene	9.422	112	7443	0.290 ug/l	97	
67) Ethyl Benzene	9.550	91	9713	0.227 ug/l	95	
68) m/p-Xylenes	9.676	106	6455	0.408 ug/l	89	
70) Styrene	10.097	104	8779	0.335 ug/l	93	
71) Bromoform	10.270	173	1636	0.232 ug/l #	100	
74) N-amyl acetate	10.306	43	15486	0.824 ug/l	96	
76) 1,2,3-Trichloropropane	10.608	75	408714	18.882 ug/l #	100	
77) Bromobenzene	10.759	156	4101	0.302 ug/l	69	

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

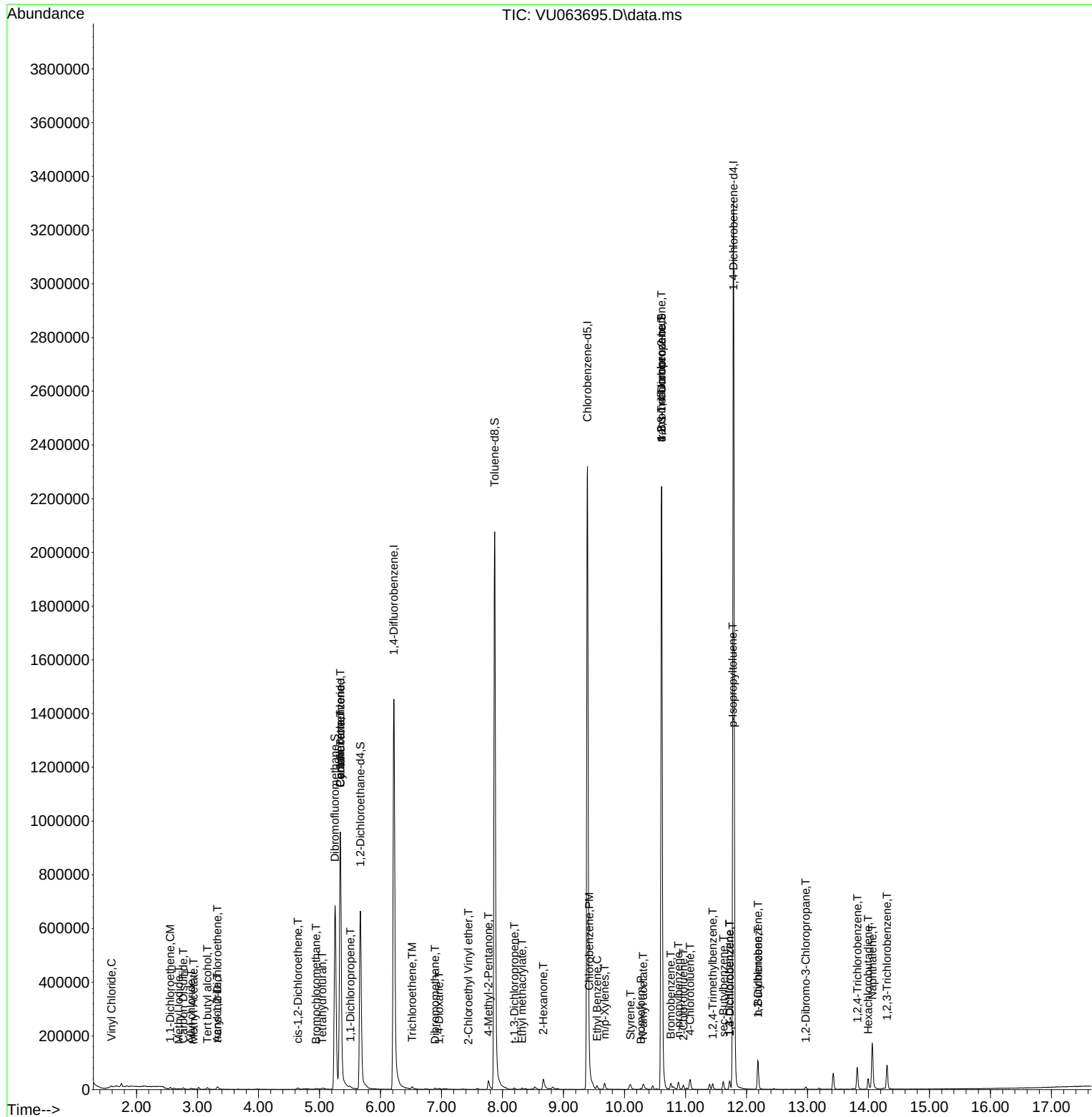
78) n-propylbenzene	10.885	91	21708	0.351	ug/l	99
79) 2-Chlorotoluene	10.965	91	8172	0.204	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.608	75	408714	100.592	ug/l #	7
82) 4-Chlorotoluene	11.077	91	16958	0.373	ug/l	95
84) 1,2,4-Trimethylbenzene	11.444	105	12137	0.273	ug/l	98
85) sec-Butylbenzene	11.621	105	20331	0.341	ug/l	96
86) p-Isopropyltoluene	11.772	119	19912	0.417	ug/l	85
87) 1,3-Dichlorobenzene	11.724	146	13023	0.511	ug/l	97
88) 1,4-Dichlorobenzene	11.724	146	13023	0.488	ug/l	97
89) n-Butylbenzene	12.187	91	44367	1.011	ug/l	99
91) 1,2-Dichlorobenzene	12.190	146	11499	0.452	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.971	75	2333	0.549	ug/l	89
93) 1,2,4-Trichlorobenzene	13.817	180	24987	1.539	ug/l	99
94) Hexachlorobutadiene	13.994	225	5464	0.668	ug/l	95
95) Naphthalene	14.064	128	147815	3.361	ug/l	99
96) 1,2,3-Trichlorobenzene	14.302	180	27370	1.813	ug/l	98

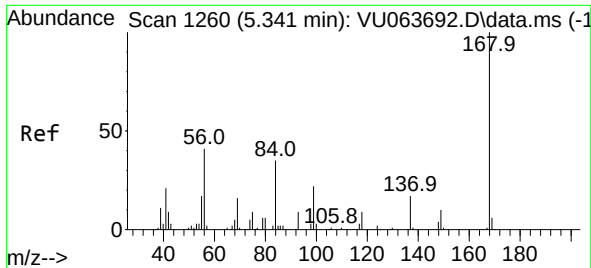
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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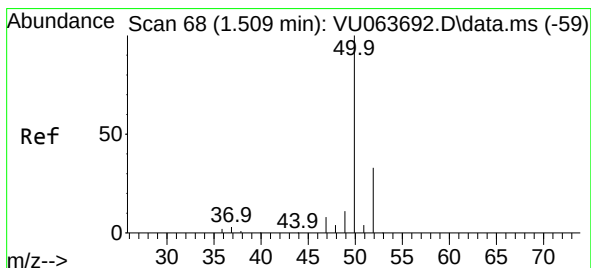
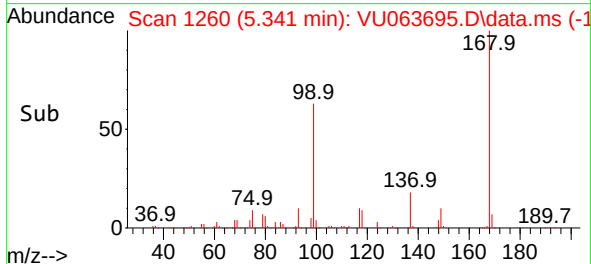
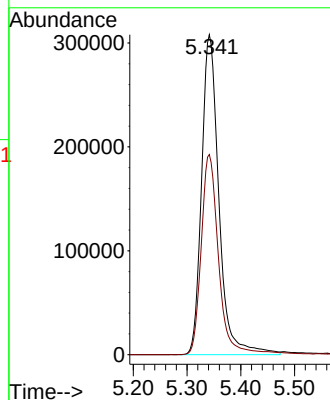
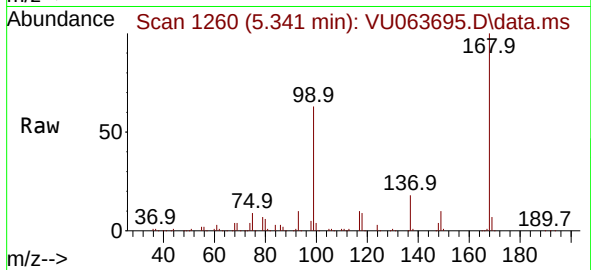




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.341 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

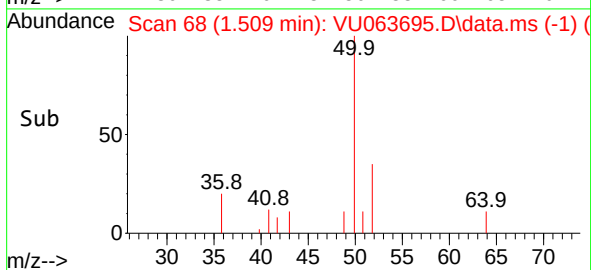
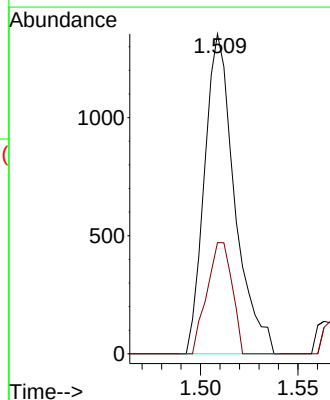
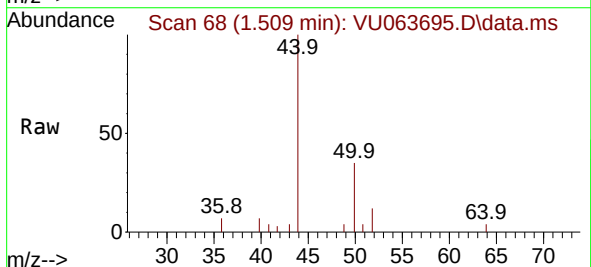
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

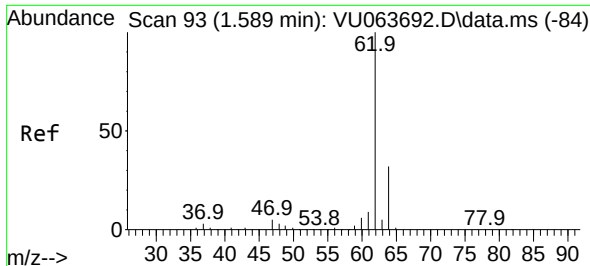
Tgt Ion:168 Resp: 689372
Ion Ratio Lower Upper
168 100
99 62.5 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 50 Resp: 1457
Ion Ratio Lower Upper
50 100
52 34.8 26.3 39.5

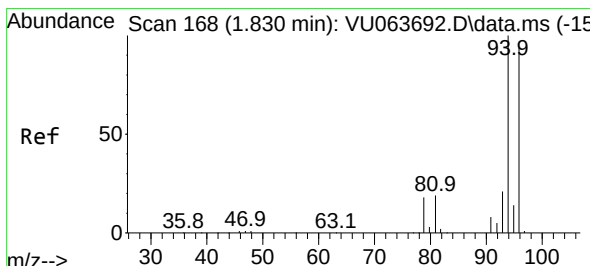
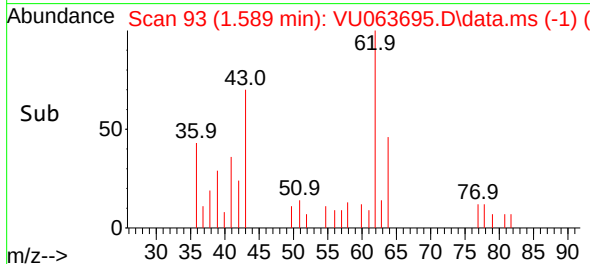
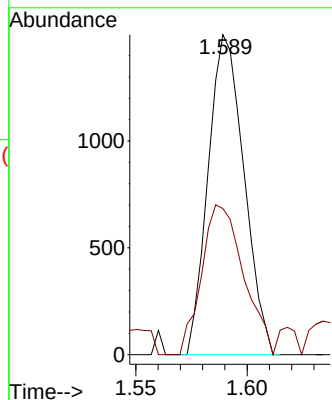
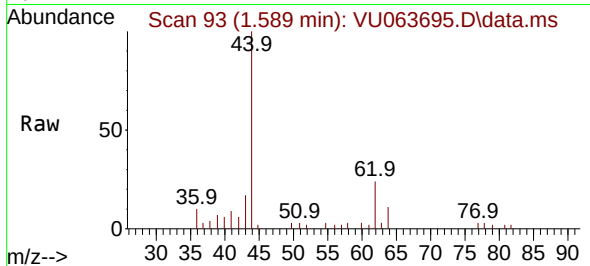




#4
 Vinyl Chloride
 Concen: 0.327 ug/l
 RT: 1.589 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

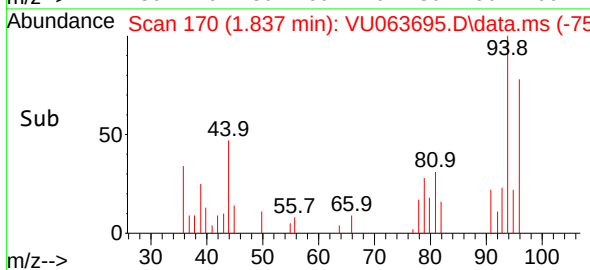
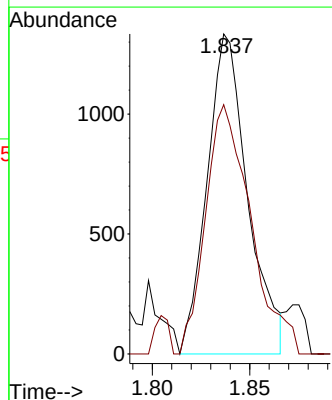
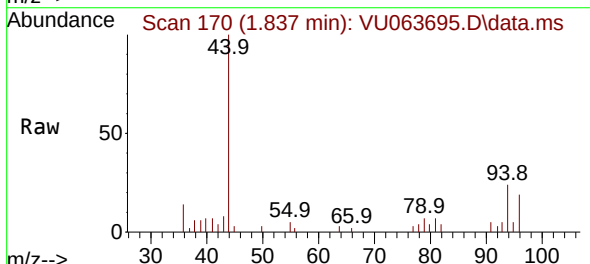
Instrument :
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 ClientSampleId :
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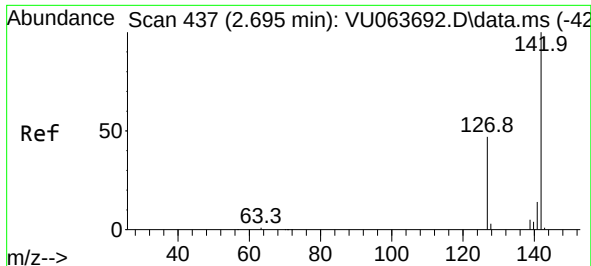
Tgt Ion: 62 Resp: 1674
 Ion Ratio Lower Upper
 62 100
 64 45.7 25.9 38.9#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.837 min Scan# 170
 Delta R.T. 0.007 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

Tgt Ion: 94 Resp: 1931
 Ion Ratio Lower Upper
 94 100
 96 77.9 74.8 112.2

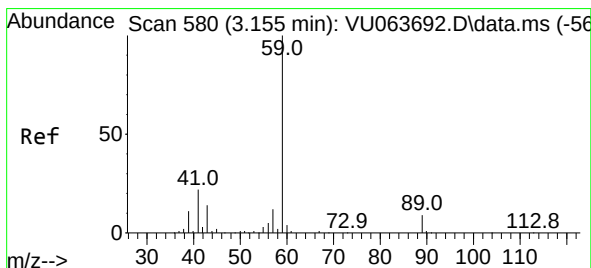
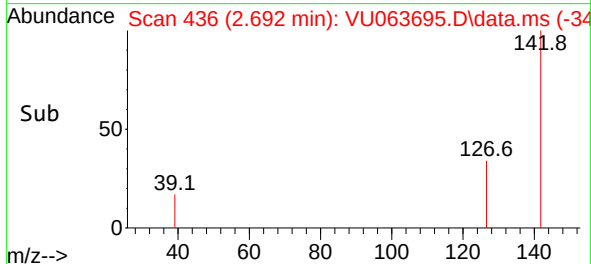
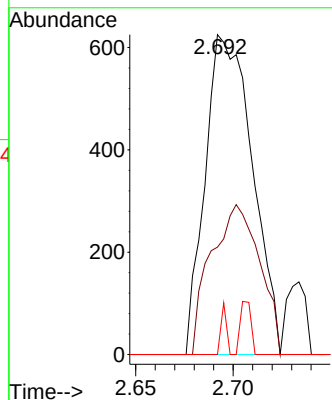
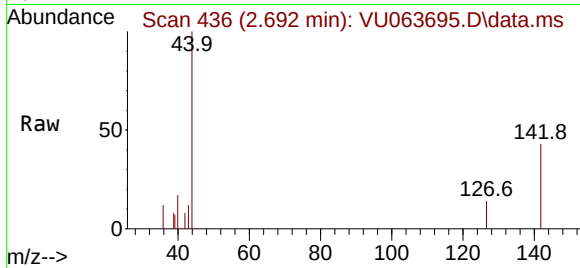




#10
Methyl Iodide
Concen: 3.111 ug/l
RT: 2.692 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

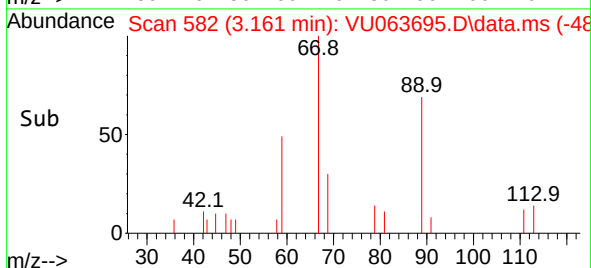
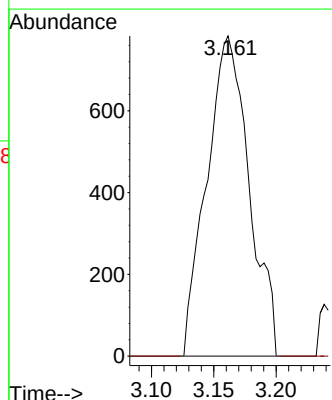
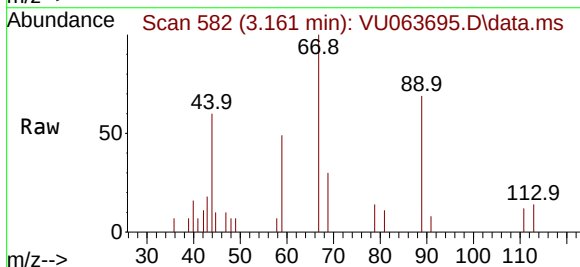
Instrument :
MSVOA_U
ClientSampleId :
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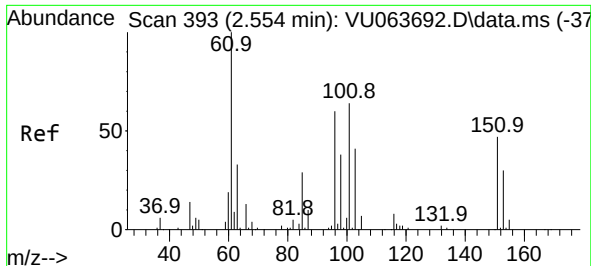
Tgt Ion:142 Resp: 1052
Ion Ratio Lower Upper
142 100
127 0.0 37.2 55.8#
141 1.8 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.780 ug/l
RT: 3.161 min Scan# 582
Delta R.T. 0.006 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 59 Resp: 1853
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.340 ug/l

RT: 2.554 min Scan# 393

Delta R.T. -0.000 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

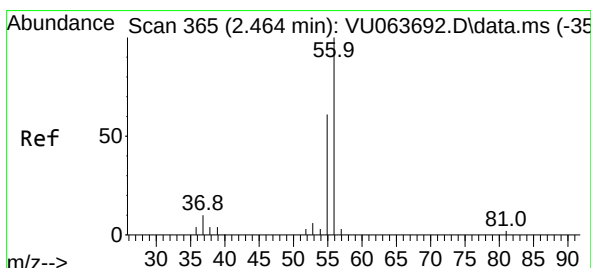
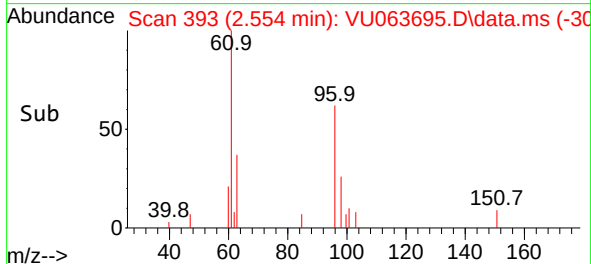
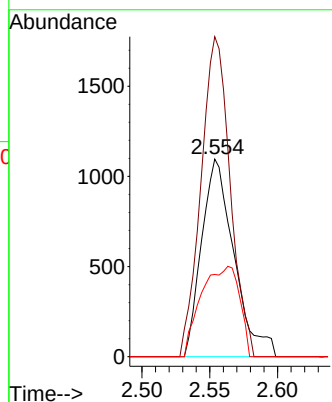
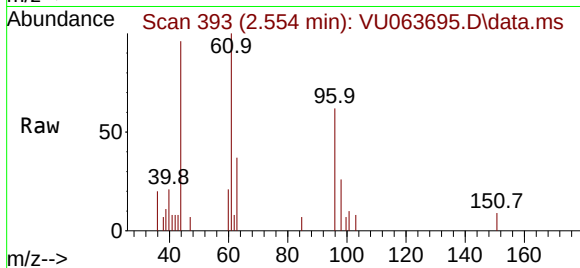
Tgt Ion: 96 Resp: 1823

Ion Ratio Lower Upper

96 100

61 162.0 133.1 199.7

98 41.6 50.7 76.1#



#13

Acrolein

Concen: Below Cal

RT: 2.464 min Scan# 365

Delta R.T. -0.000 min

Lab File: VU063695.D

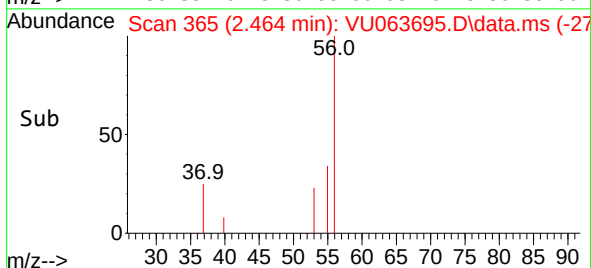
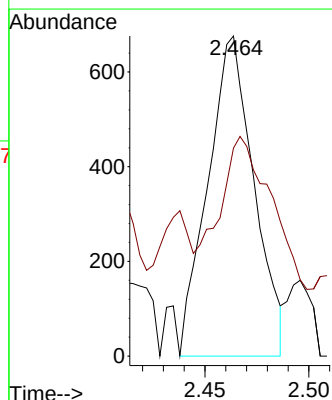
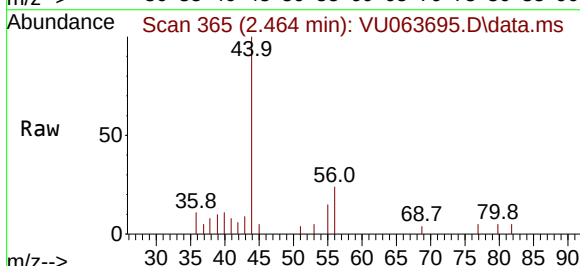
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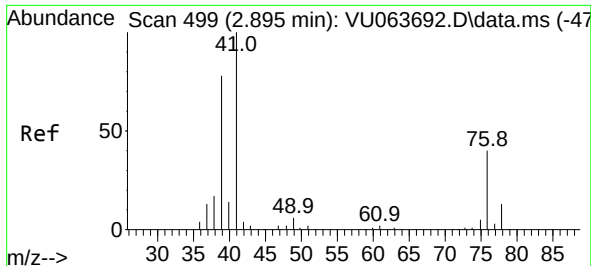
Tgt Ion: 56 Resp: 1041

Ion Ratio Lower Upper

56 100

55 51.4 47.1 70.7

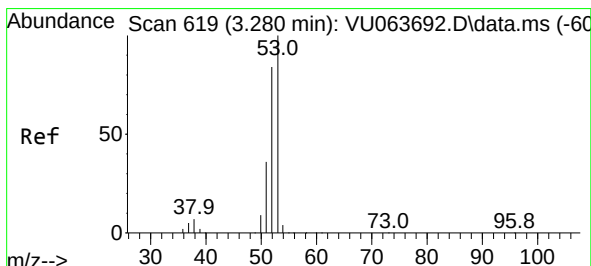
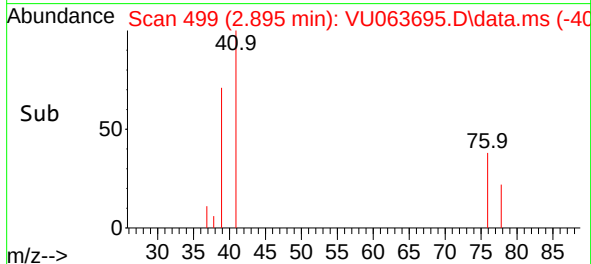
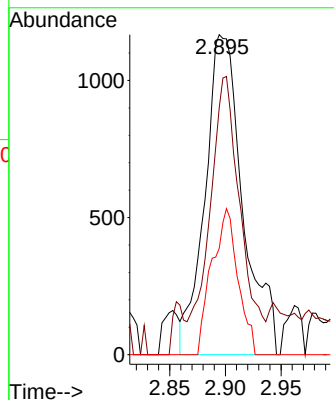
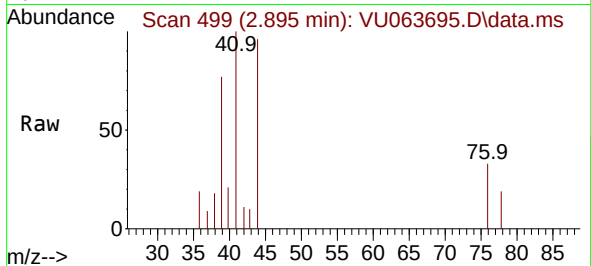




#14
 Allyl chloride
 Concen: 0.277 ug/l
 RT: 2.895 min Scan# 499
 Delta R.T. -0.000 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

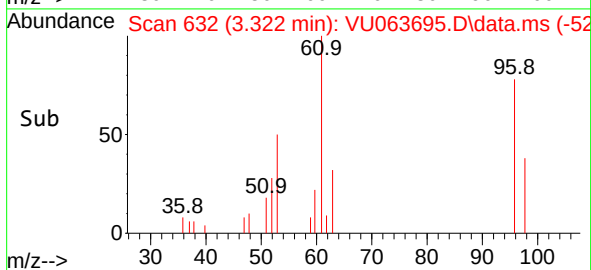
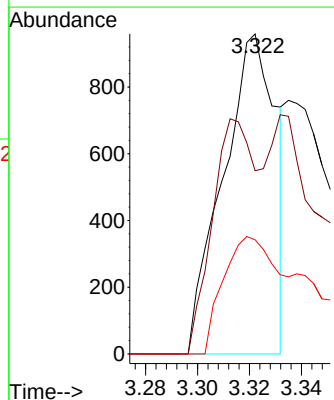
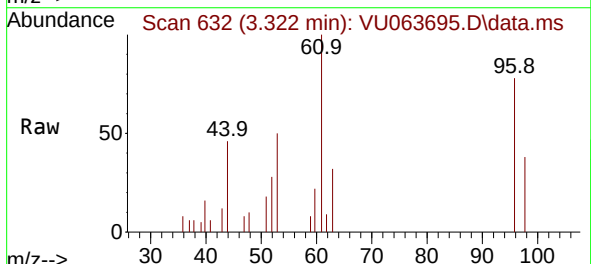
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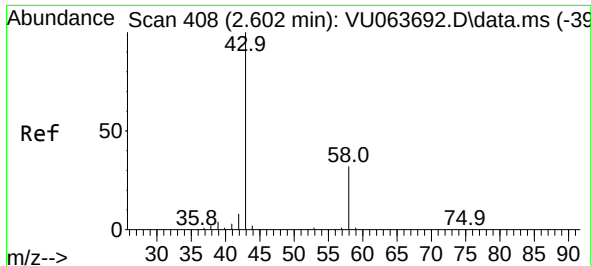
Tgt Ion:	41	Resp:	2766
Ion	Ratio	Lower	Upper
41	100		
39	60.3	53.1	79.7
76	31.3	26.4	39.6



#15
 Acrylonitrile
 Concen: 0.278 ug/l
 RT: 3.322 min Scan# 632
 Delta R.T. 0.042 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

Tgt Ion:	53	Resp:	1351
Ion	Ratio	Lower	Upper
53	100		
52	57.2	67.5	101.3#
51	53.1	29.0	43.6#





#16

Acetone

Concen: Below Cal

RT: 2.605 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

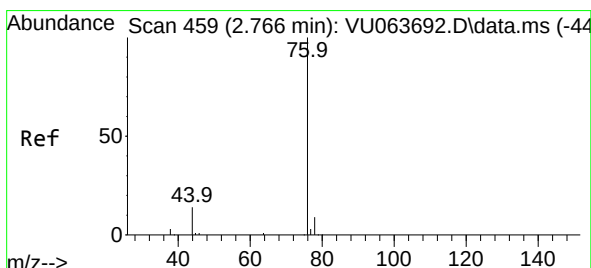
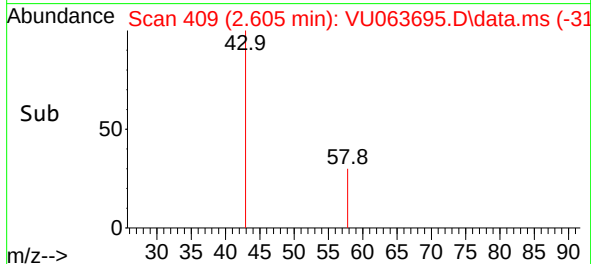
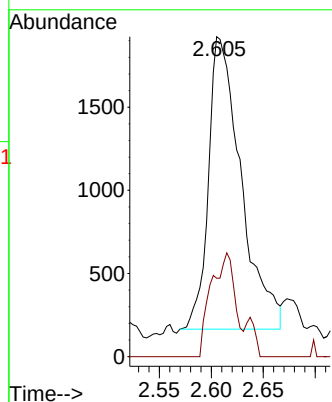
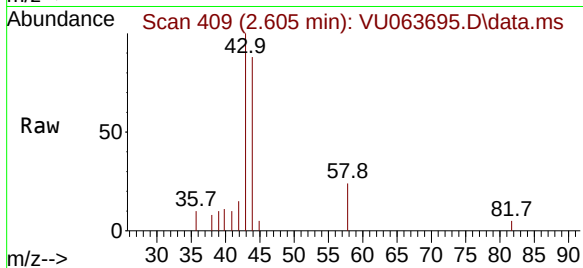
VIBLK

Tgt Ion: 43 Resp: 3832

Ion Ratio Lower Upper

43 100

58 26.8 25.4 38.2



#17

Carbon Disulfide

Concen: 0.859 ug/l

RT: 2.766 min Scan# 459

Delta R.T. -0.000 min

Lab File: VU063695.D

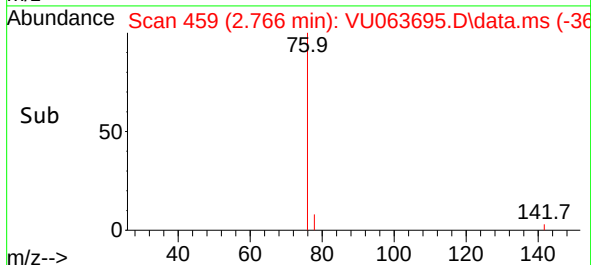
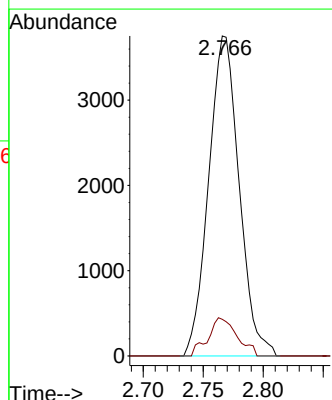
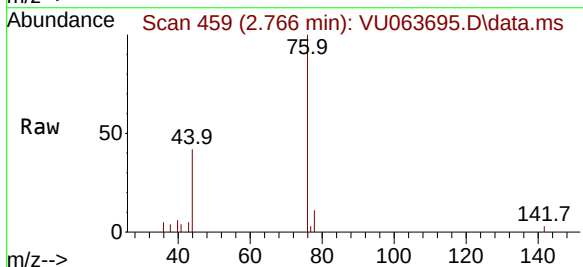
Acq: 10 Nov 2025 15:03

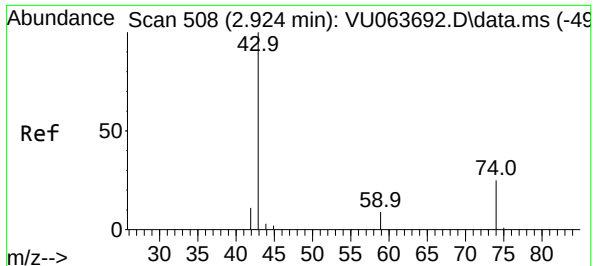
Tgt Ion: 76 Resp: 6629

Ion Ratio Lower Upper

76 100

78 11.4 7.0 10.6#

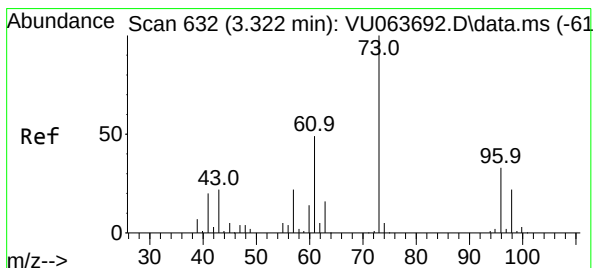
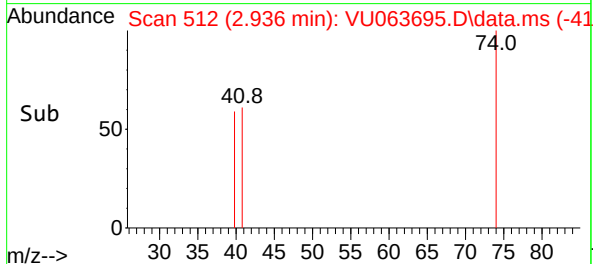
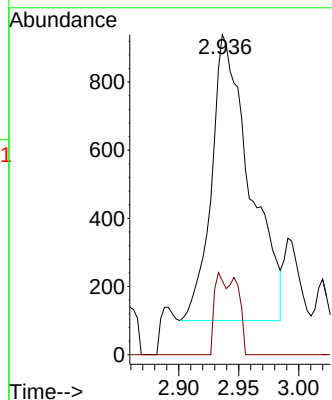
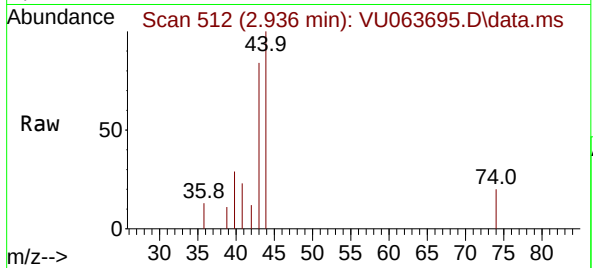




#18
Methyl Acetate
Concen: 1.666 ug/l
RT: 2.936 min Scan# 512
Delta R.T. 0.012 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

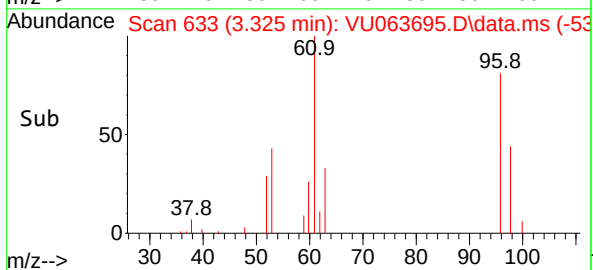
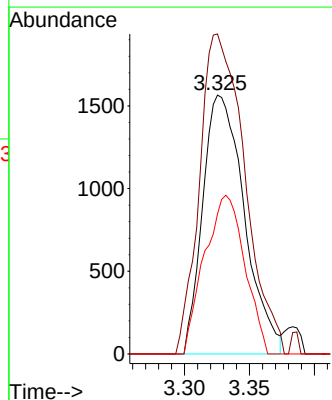
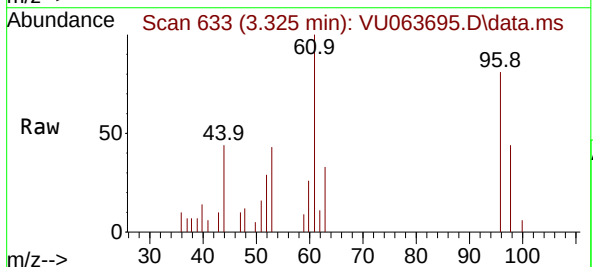
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

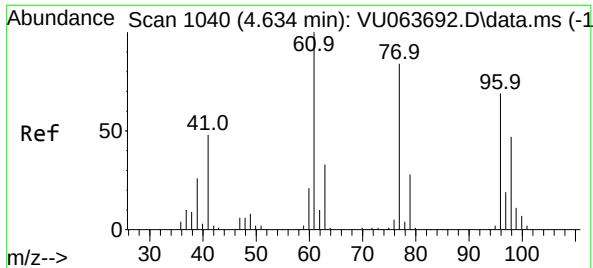
Tgt Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
74 8.7 20.6 31.0#



#21
trans-1,2-Dichloroethene
Concen: 0.634 ug/l
RT: 3.325 min Scan# 633
Delta R.T. 0.003 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 96 Resp: 3489
Ion Ratio Lower Upper
96 100
61 116.7 117.5 176.3#
98 54.1 52.7 79.1

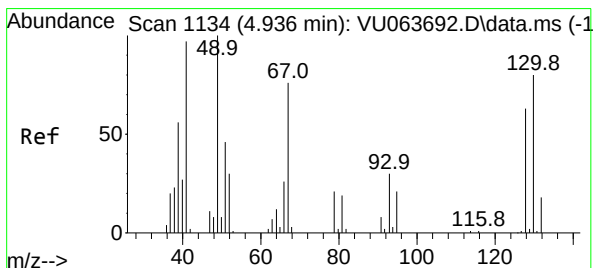
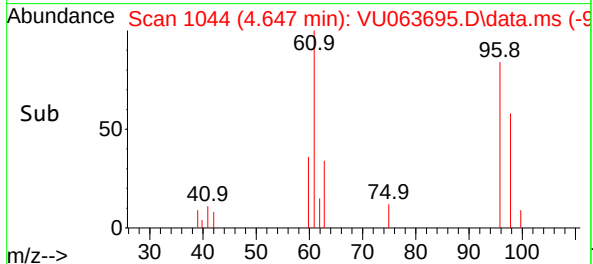
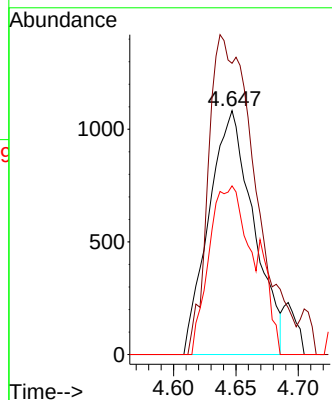
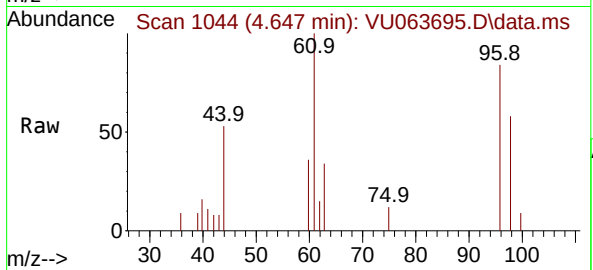




#27
 cis-1,2-Dichloroethene
 Concen: 0.335 ug/l
 RT: 4.647 min Scan# 1044
 Delta R.T. 0.013 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

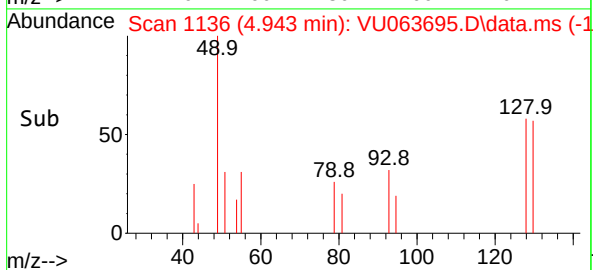
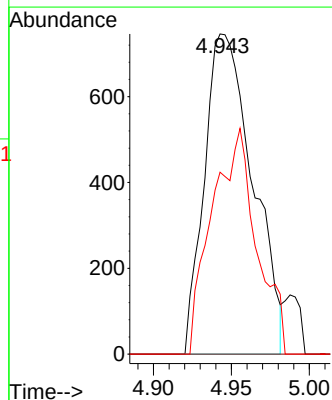
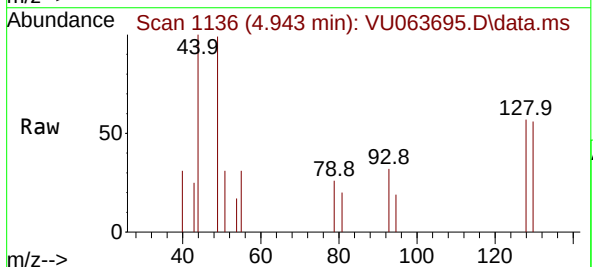
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

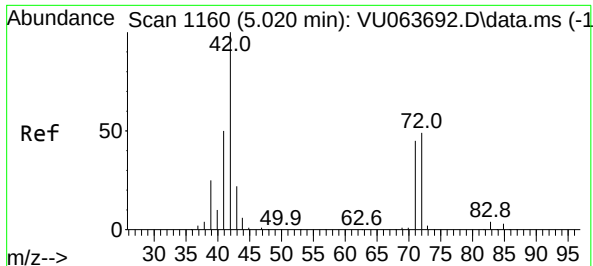
Tgt Ion: 96 Resp: 2697
 Ion Ratio Lower Upper
 96 100
 61 137.9 0.0 295.4
 98 59.8 0.0 131.8



#28
 Bromochloromethane
 Concen: 0.317 ug/l
 RT: 4.943 min Scan# 1136
 Delta R.T. 0.006 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

Tgt Ion: 49 Resp: 1612
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 64.9 65.1 97.7#





#29

Tetrahydrofuran

Concen: 0.712 ug/l

RT: 5.046 min Scan# 1160

Delta R.T. 0.026 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

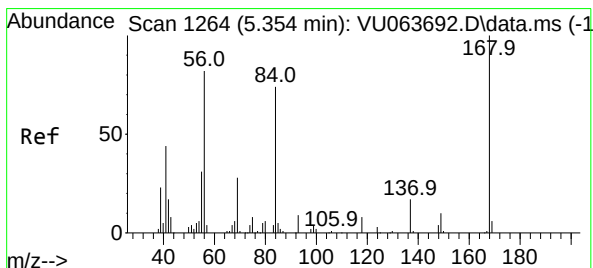
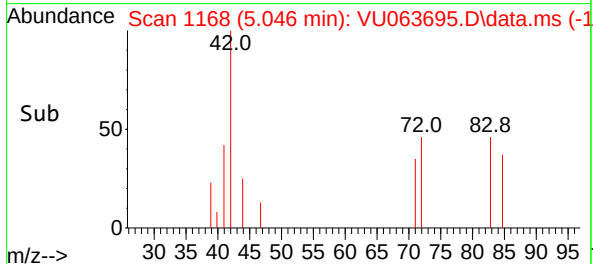
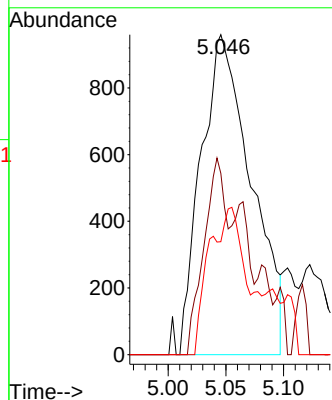
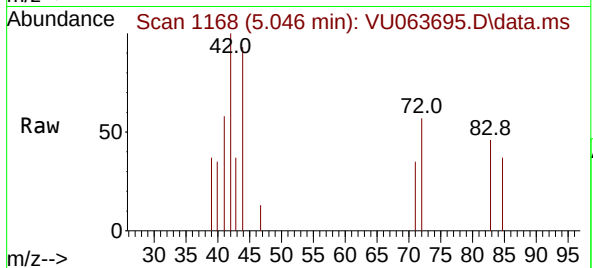
Tgt Ion: 42 Resp: 2907

Ion Ratio Lower Upper

42 100

72 27.1 40.0 60.0#

71 10.9 37.4 56.0#



#31

Cyclohexane

Concen: 0.243 ug/l

RT: 5.341 min Scan# 1260

Delta R.T. -0.013 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

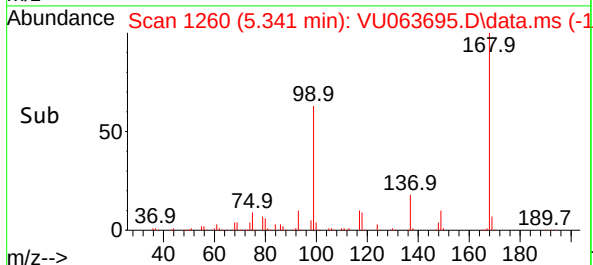
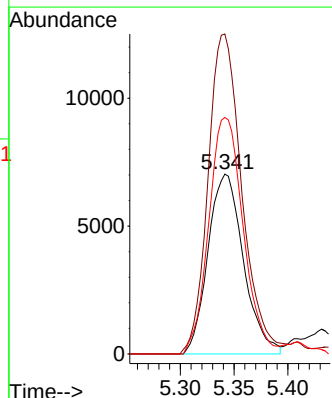
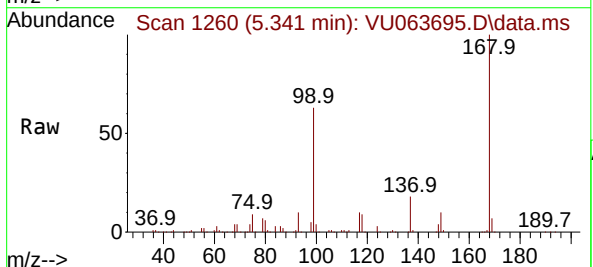
Tgt Ion: 56 Resp: 16112

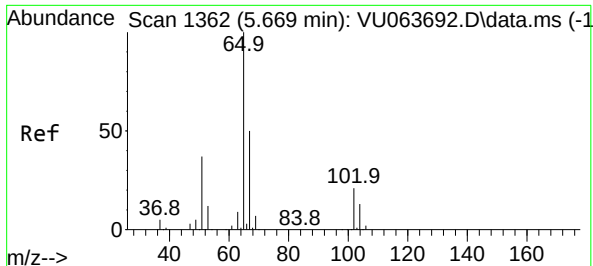
Ion Ratio Lower Upper

56 100

69 177.9 27.0 40.6#

84 131.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 51.988 ug/l

RT: 5.669 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

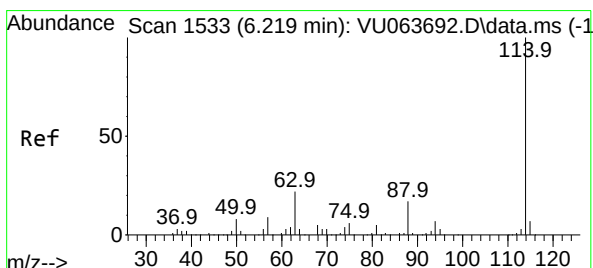
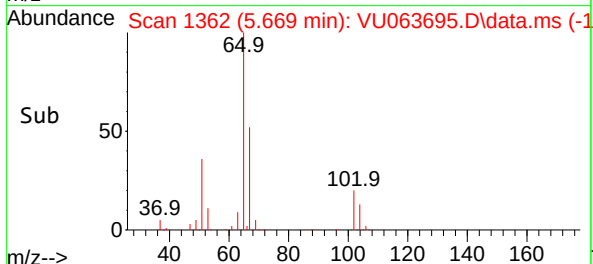
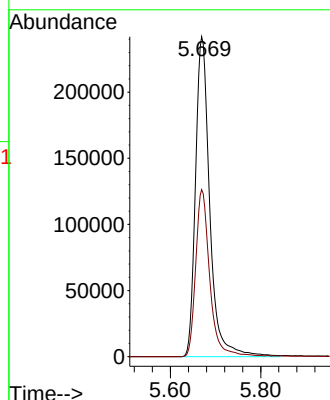
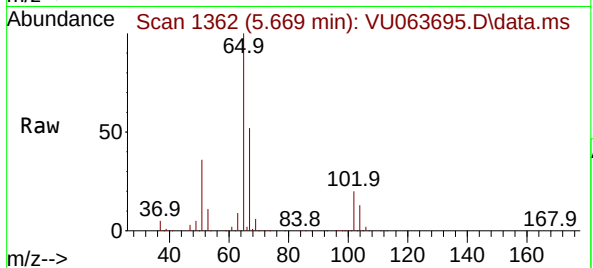
VIBLK

Tgt Ion: 65 Resp: 529427

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.219 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

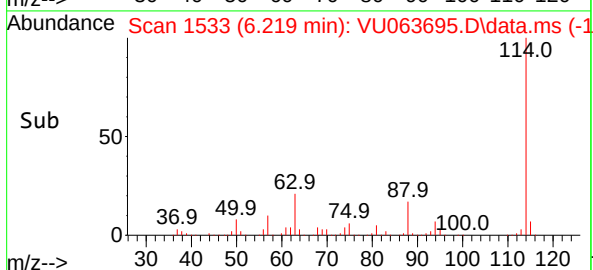
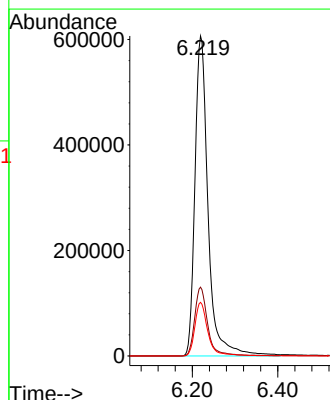
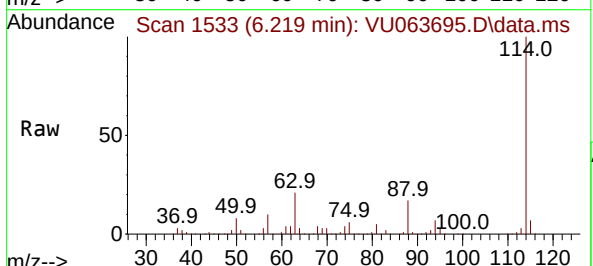
Tgt Ion: 114 Resp: 1294895

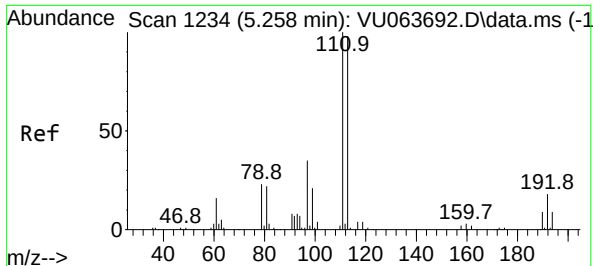
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

88 16.8 0.0 33.6

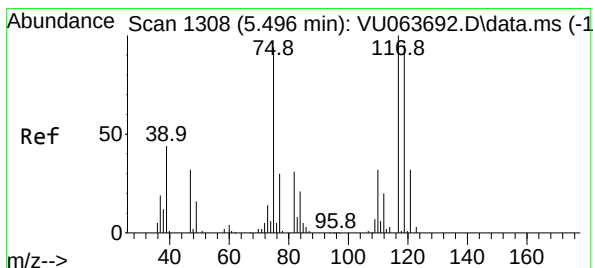
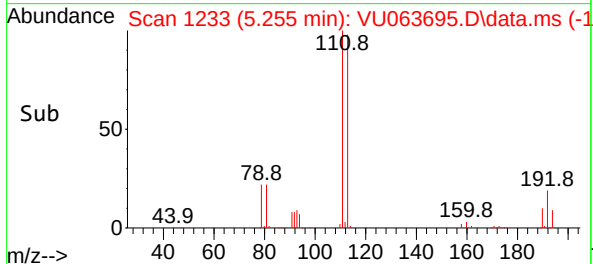
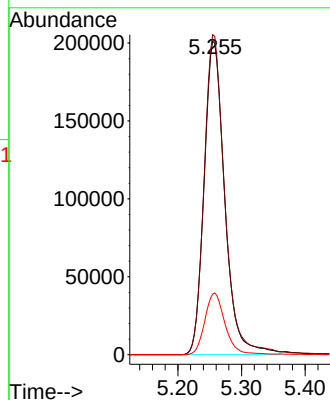
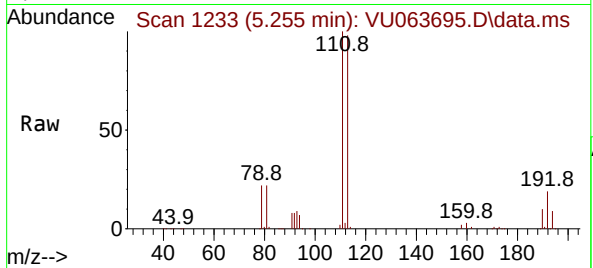




#35
Dibromofluoromethane
Concen: 50.089 ug/l
RT: 5.255 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

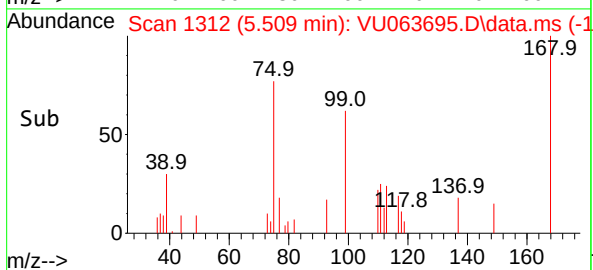
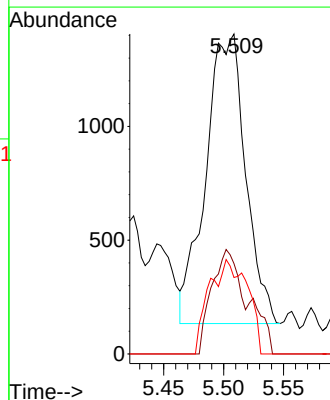
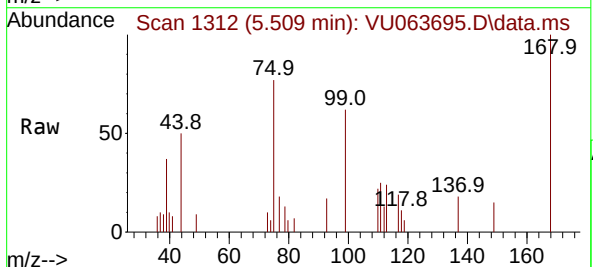
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

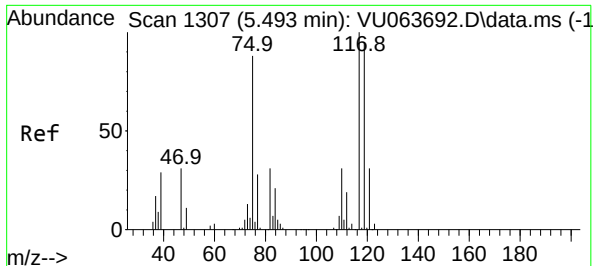
Tgt Ion:113 Resp: 454282
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 19.3 15.4 23.0



#36
1,1-Dichloropropene
Concen: 0.318 ug/l
RT: 5.509 min Scan# 1312
Delta R.T. 0.013 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 75 Resp: 2932
Ion Ratio Lower Upper
75 100
110 25.2 17.3 51.7
77 31.3 24.4 36.6

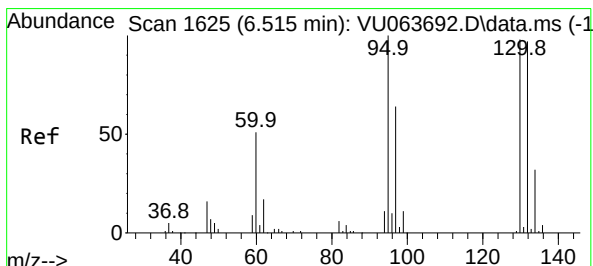
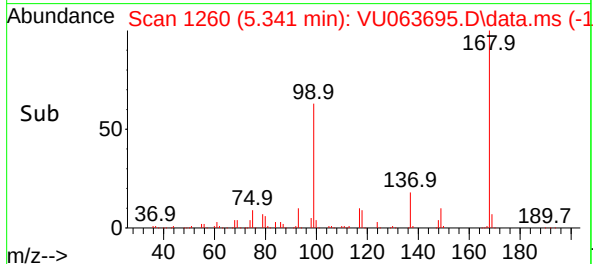
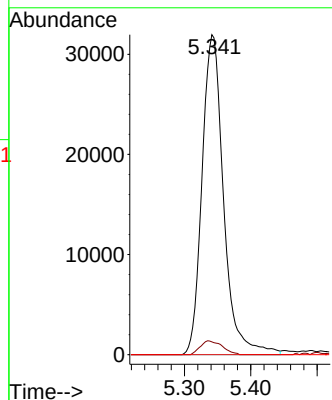
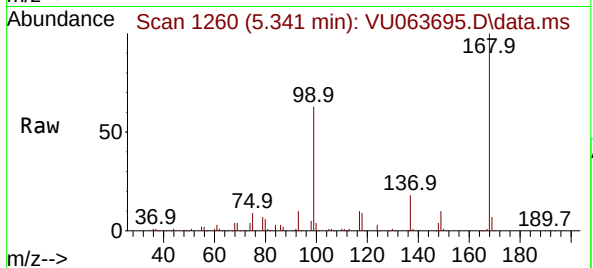




#38
Carbon Tetrachloride
Concen: 7.243 ug/l
RT: 5.341 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

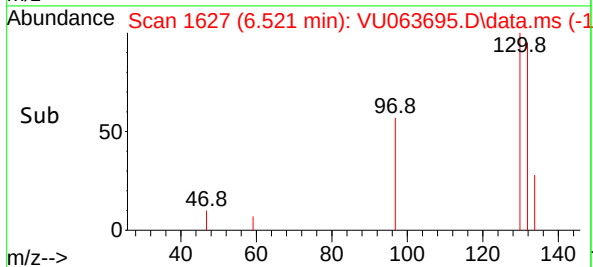
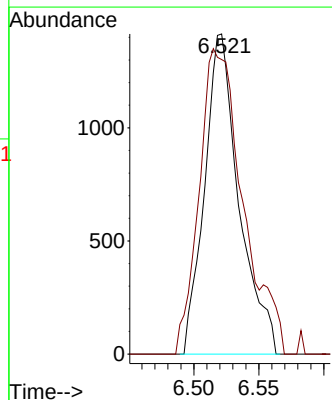
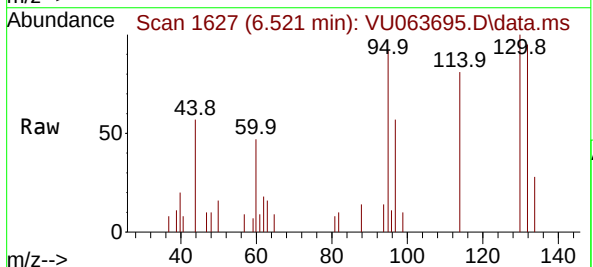
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

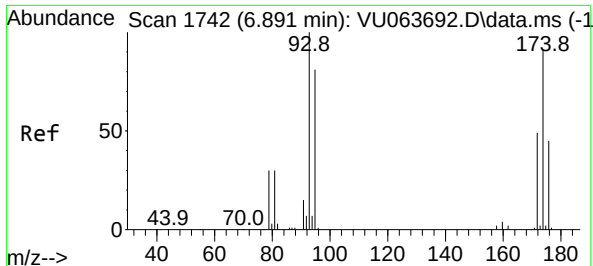
Tgt Ion:117 Resp: 72258
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 0.312 ug/l
RT: 6.521 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion:130 Resp: 2604
Ion Ratio Lower Upper
130 100
95 82.8 0.0 203.6

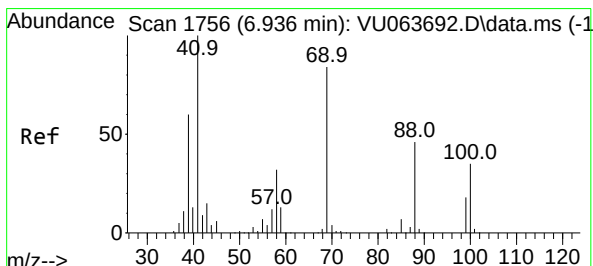
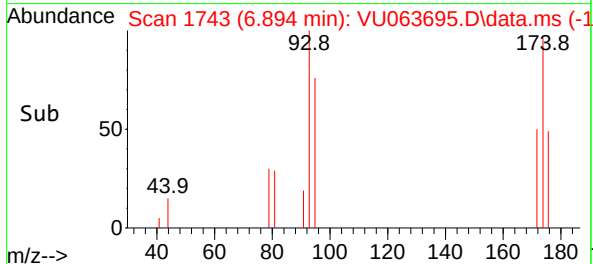
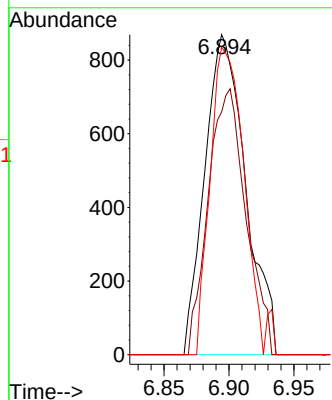
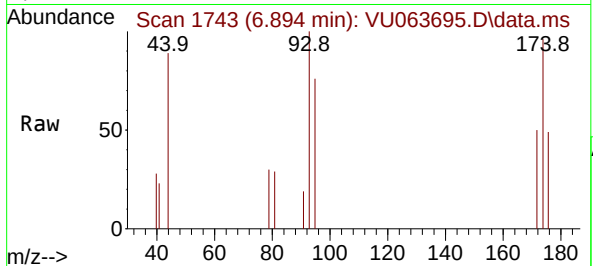




#46
Dibromomethane
Concen: 0.313 ug/l
RT: 6.894 min Scan# 1742
Delta R.T. 0.003 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

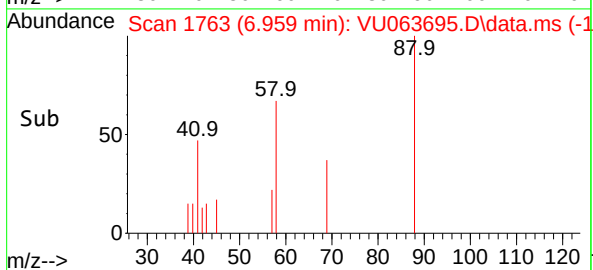
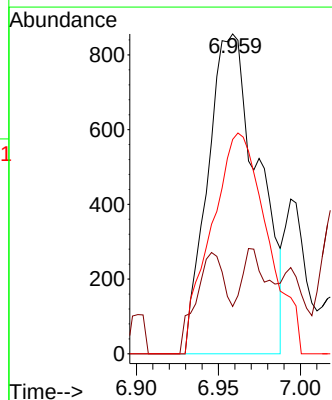
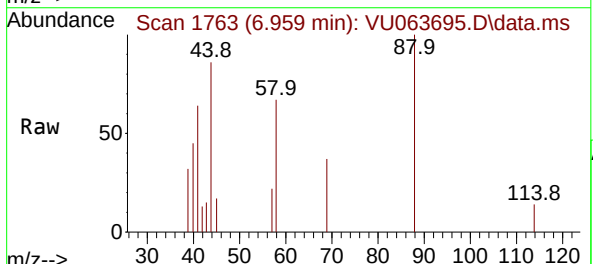
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

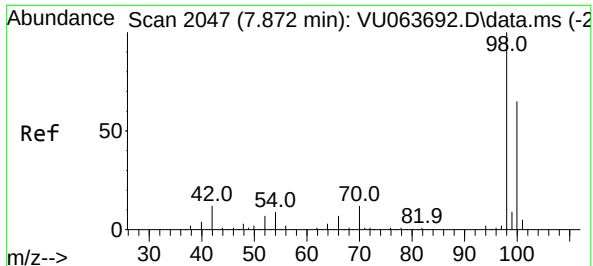
Tgt Ion: 93 Resp: 1902
Ion Ratio Lower Upper
93 100
95 77.0 65.9 98.9
174 78.4 74.9 112.3



#49
1,4-Dioxane
Concen: 7.389 ug/l
RT: 6.959 min Scan# 1763
Delta R.T. 0.022 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 88 Resp: 1841
Ion Ratio Lower Upper
88 100
43 7.5 24.1 36.1#
58 75.8 54.2 81.4

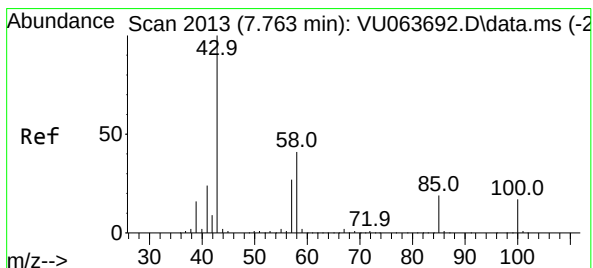
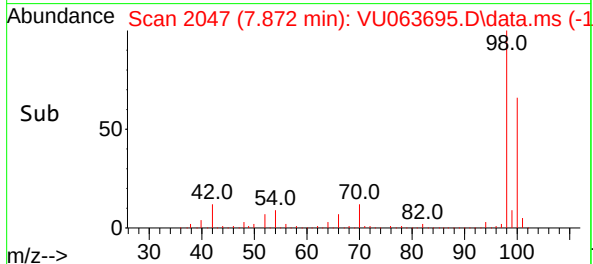
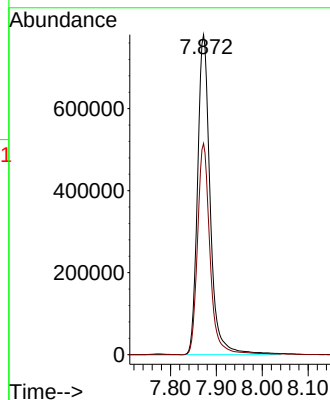
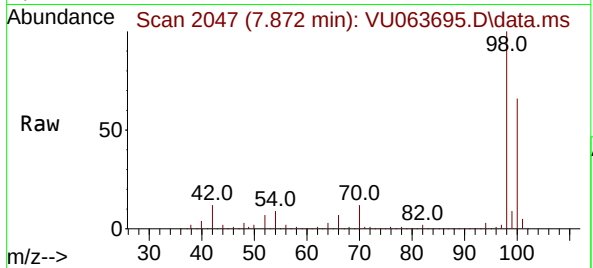




#50
Toluene-d8
Concen: 45.743 ug/l
RT: 7.872 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

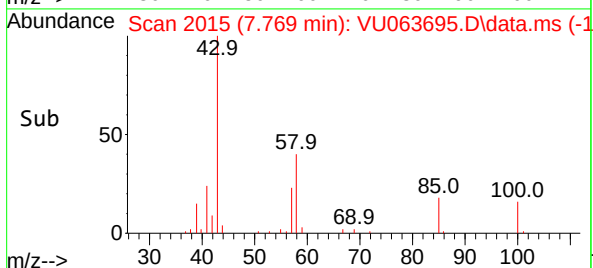
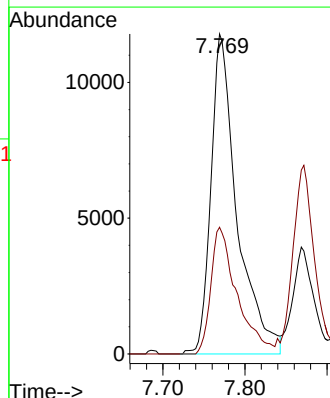
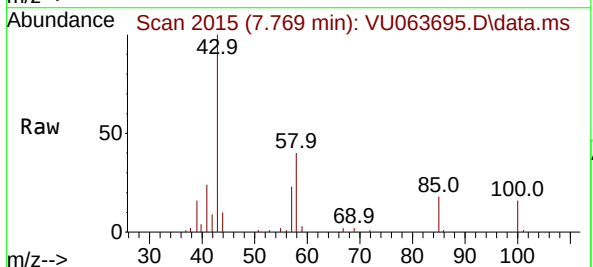
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

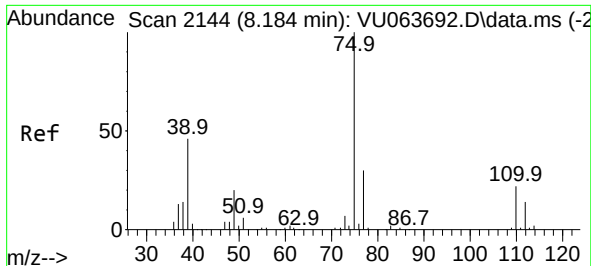
Tgt Ion: 98 Resp: 1490422
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.774 ug/l
RT: 7.769 min Scan# 2015
Delta R.T. 0.006 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 43 Resp: 26008
Ion Ratio Lower Upper
43 100
58 39.7 32.3 48.5

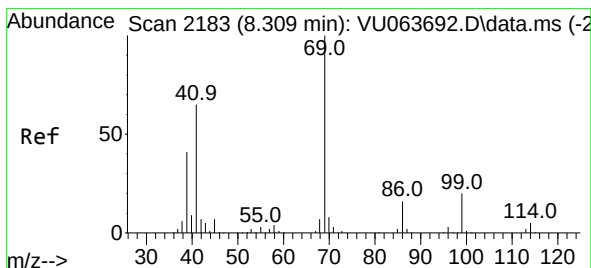
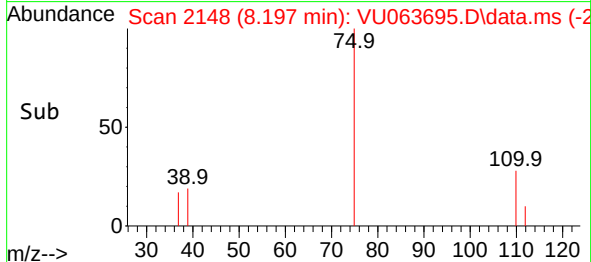
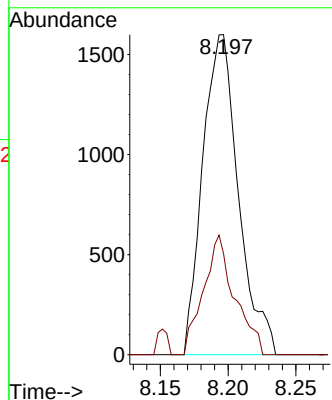
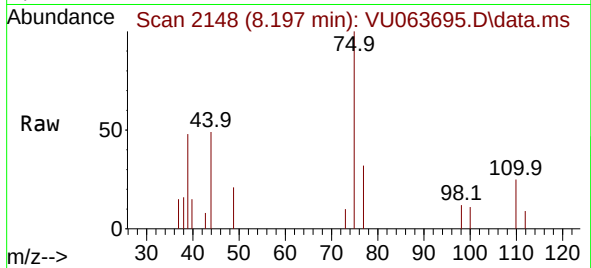




#53
t-1,3-Dichloropropene
Concen: 0.282 ug/l
RT: 8.197 min Scan# 2148
Delta R.T. 0.013 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

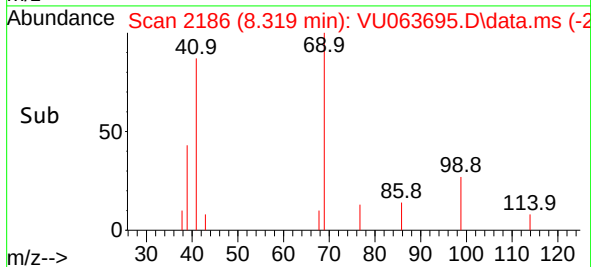
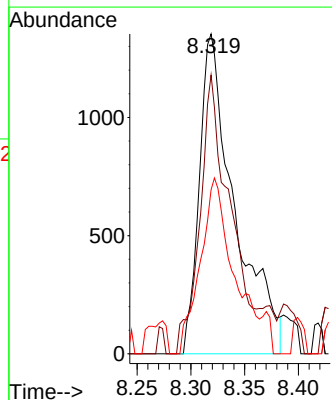
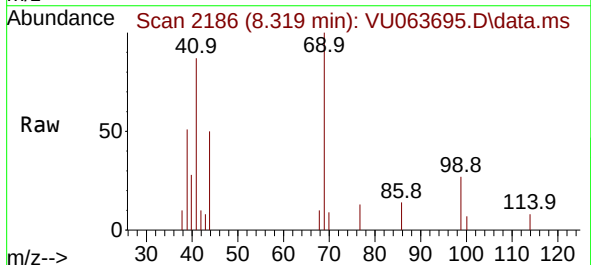
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

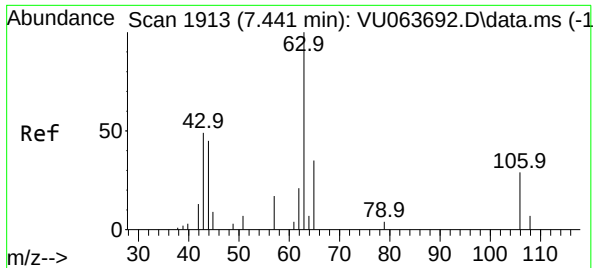
Tgt Ion: 75 Resp: 2929
Ion Ratio Lower Upper
75 100
77 31.6 24.3 36.5



#56
Ethyl methacrylate
Concen: 0.237 ug/l
RT: 8.319 min Scan# 2186
Delta R.T. 0.010 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 69 Resp: 3099
Ion Ratio Lower Upper
69 100
41 73.8 51.4 77.2
39 51.4 32.2 48.4#

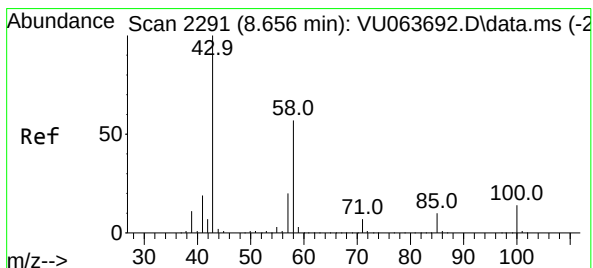
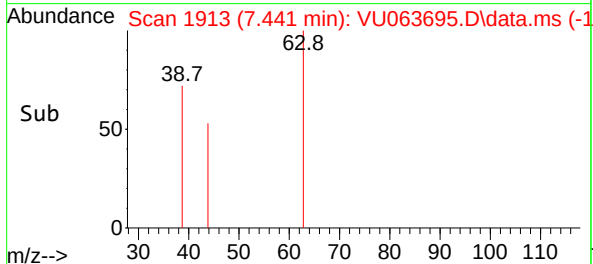
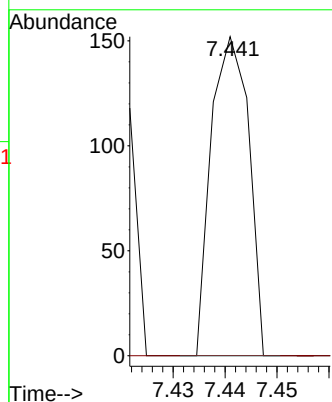
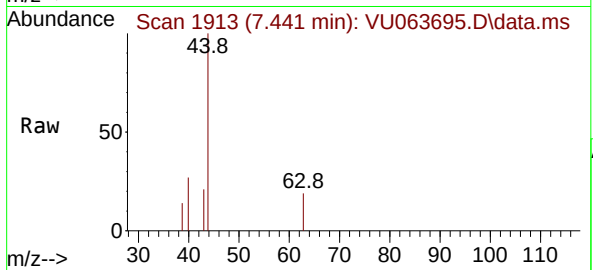




#58
2-Chloroethyl Vinyl ether
Concen: 0.483 ug/l
RT: 7.441 min Scan# 1913
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

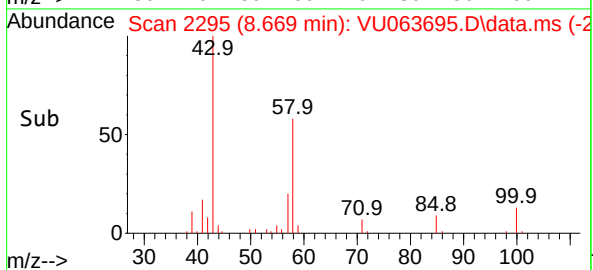
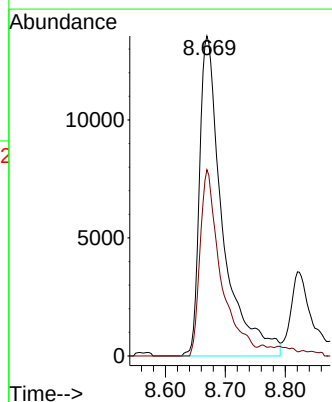
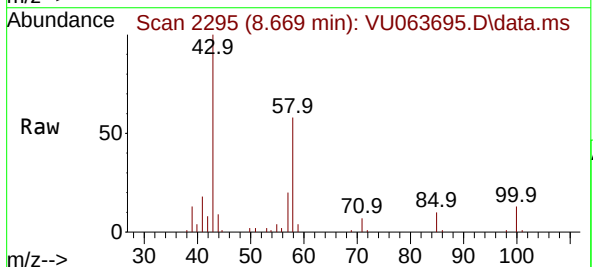
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

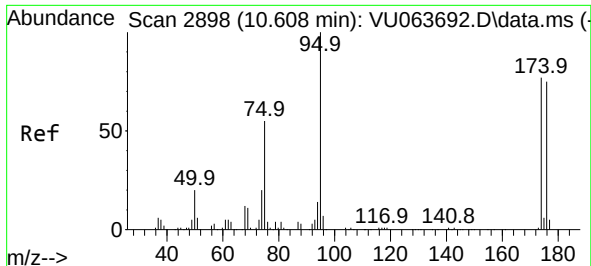
Tgt Ion: 63 Resp: 76
Ion Ratio Lower Upper
63 100
106 0.0 15.8 23.8#



#59
2-Hexanone
Concen: 3.327 ug/l
RT: 8.669 min Scan# 2295
Delta R.T. 0.013 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 43 Resp: 36326
Ion Ratio Lower Upper
43 100
58 52.4 28.4 85.3

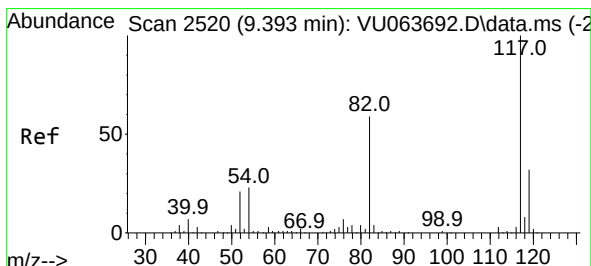
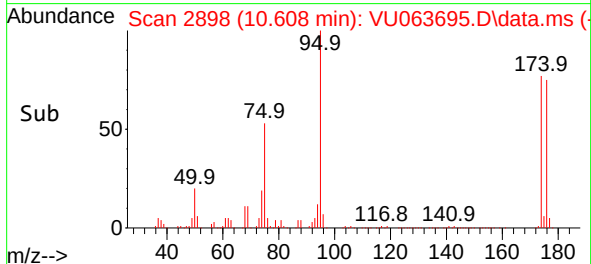
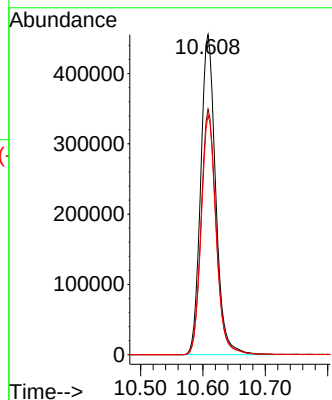
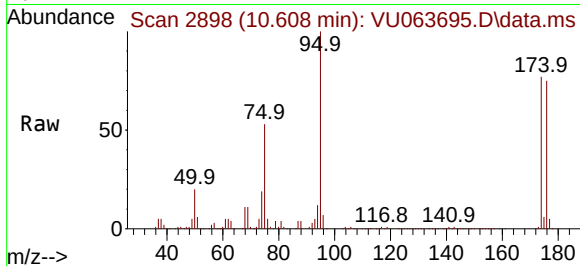




#62
4-Bromofluorobenzene
Concen: 56.383 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

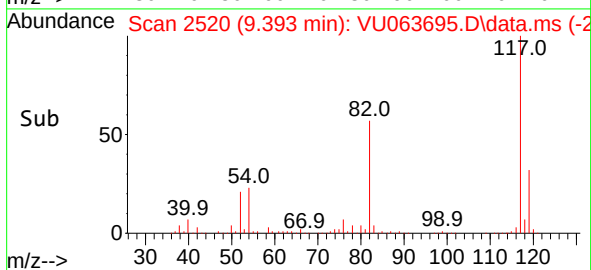
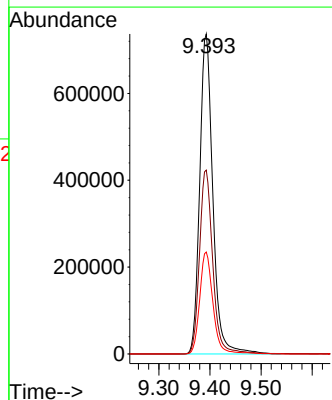
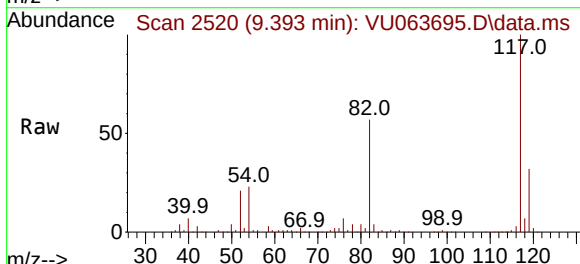
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

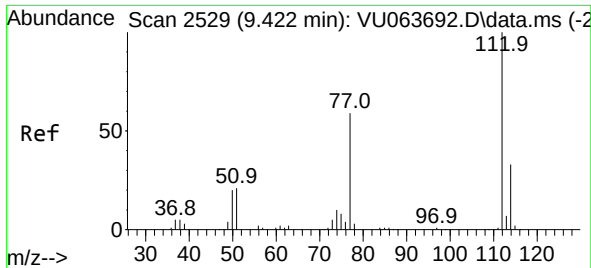
Tgt Ion: 95 Resp: 759934
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 74.5 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.393 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 117 Resp: 1315610
Ion Ratio Lower Upper
117 100
82 57.5 46.9 70.3
119 31.8 25.8 38.8

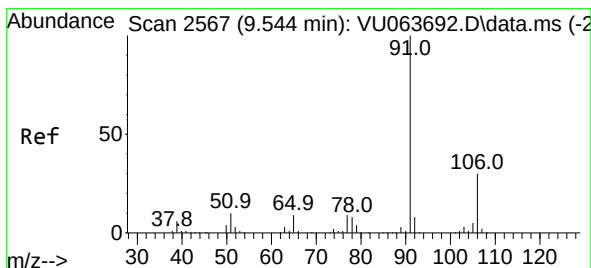
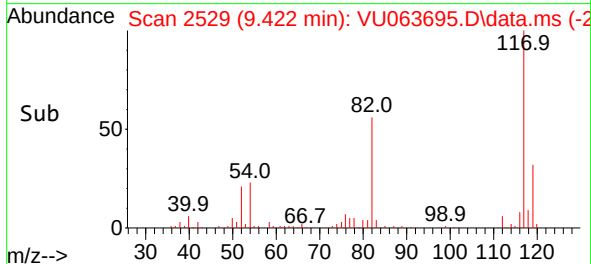
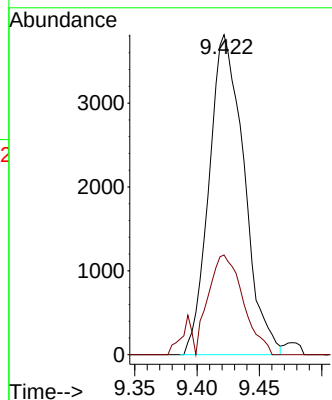
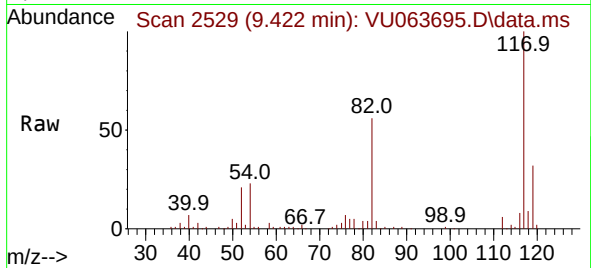




#65
Chlorobenzene
Concen: 0.290 ug/l
RT: 9.422 min Scan# 2529
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

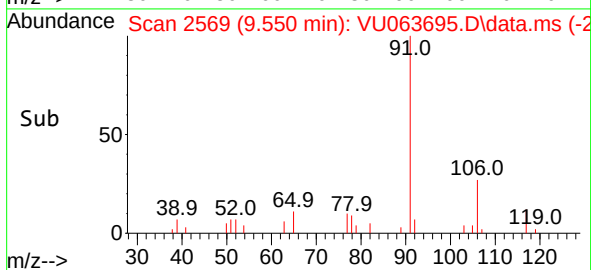
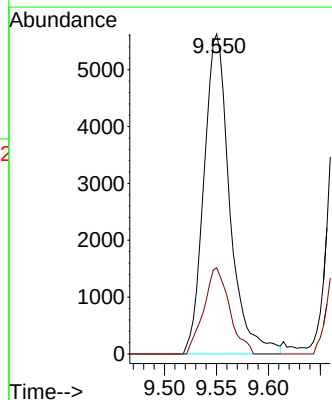
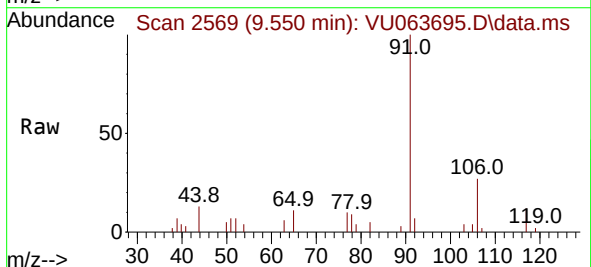
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

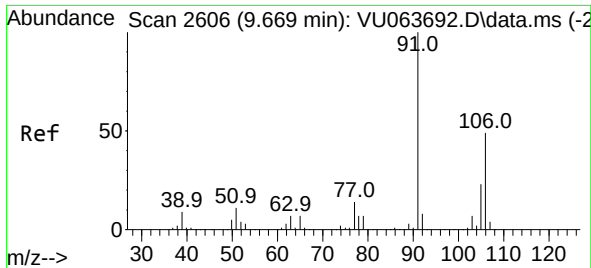
Tgt Ion:112 Resp: 7443
Ion Ratio Lower Upper
112 100
114 31.2 26.2 39.2



#67
Ethyl Benzene
Concen: 0.227 ug/l
RT: 9.550 min Scan# 2569
Delta R.T. 0.006 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 91 Resp: 9713
Ion Ratio Lower Upper
91 100
106 26.9 23.8 35.8

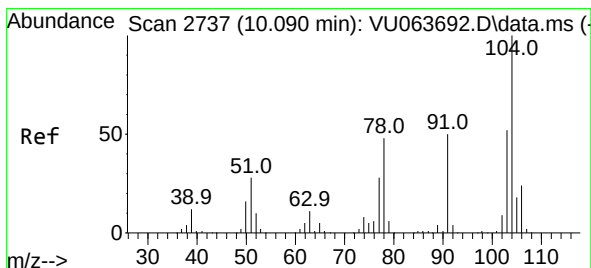
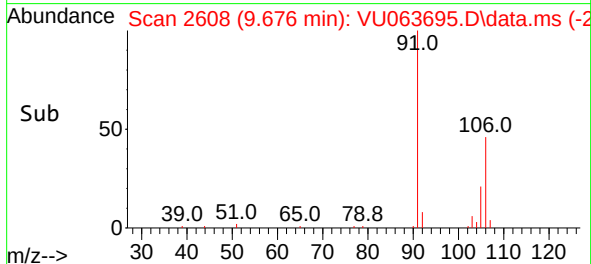
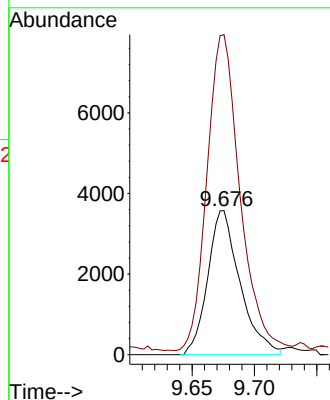
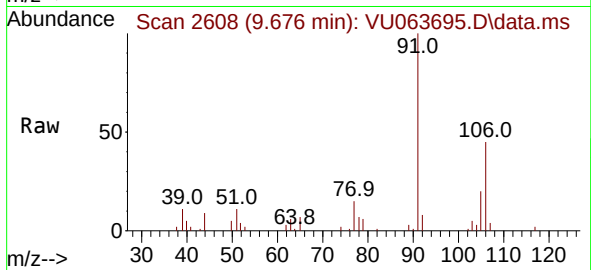




#68
m/p-Xylenes
Concen: 0.408 ug/l
RT: 9.676 min Scan# 2608
Delta R.T. 0.006 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

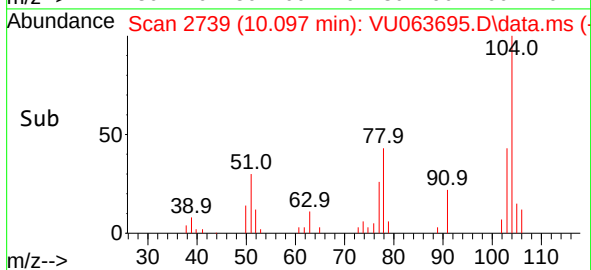
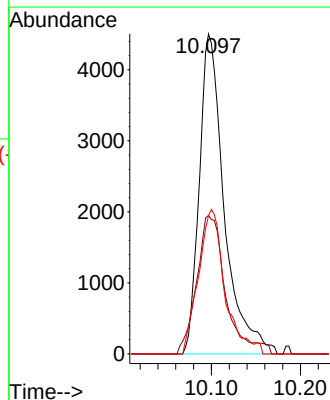
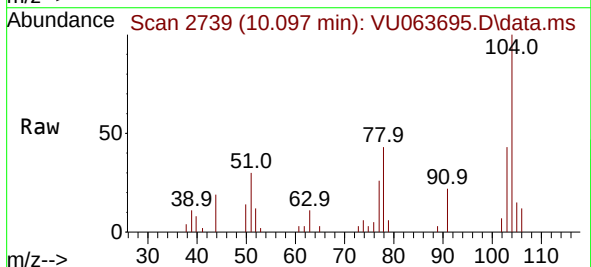
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

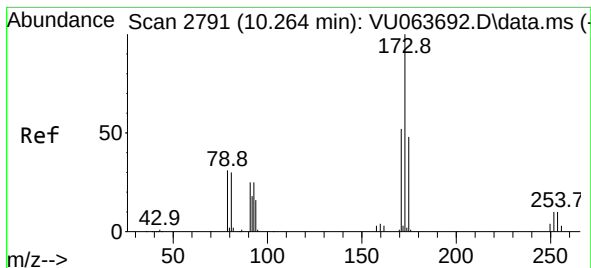
Tgt Ion:106 Resp: 6455
Ion Ratio Lower Upper
106 100
91 223.4 165.7 248.5



#70
Styrene
Concen: 0.335 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion:104 Resp: 8779
Ion Ratio Lower Upper
104 100
78 50.0 42.7 64.1
103 48.0 44.0 66.0





#71

Bromoform

Concen: 0.232 ug/l

RT: 10.270 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

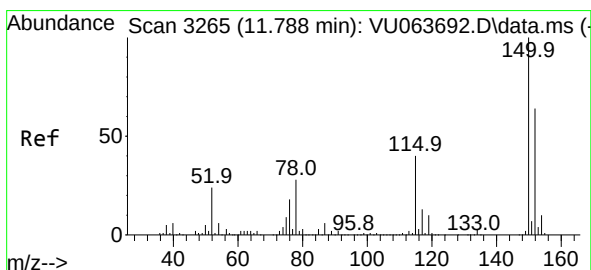
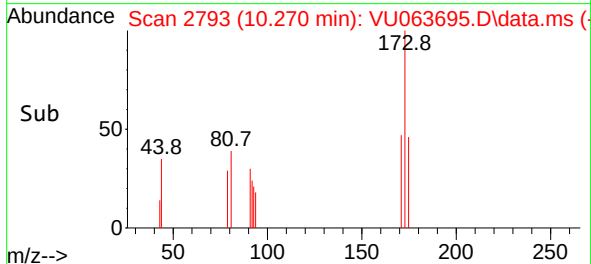
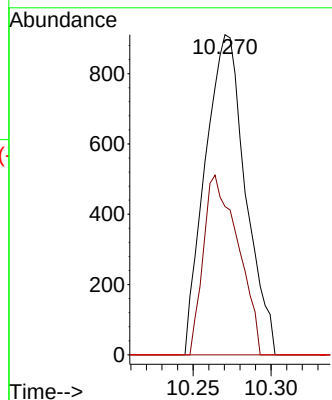
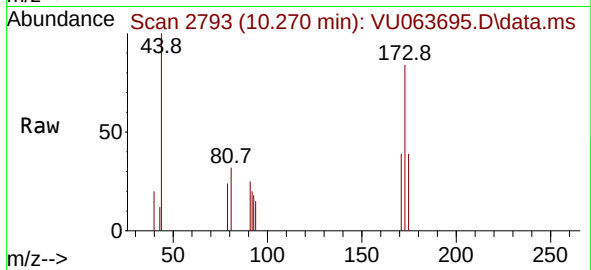
Tgt Ion:173 Resp: 1636

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.788 min Scan# 3265

Delta R.T. -0.000 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

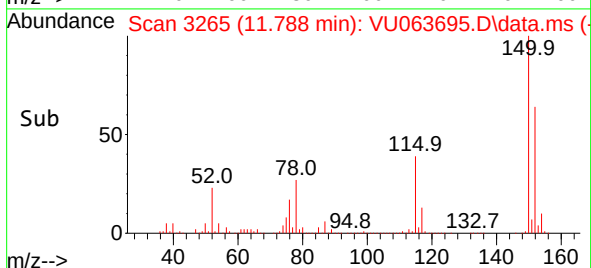
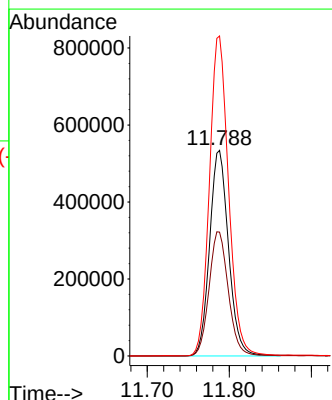
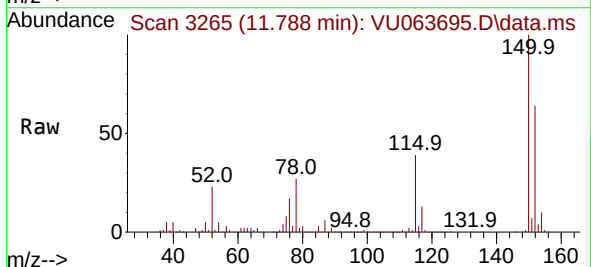
Tgt Ion:152 Resp: 858939

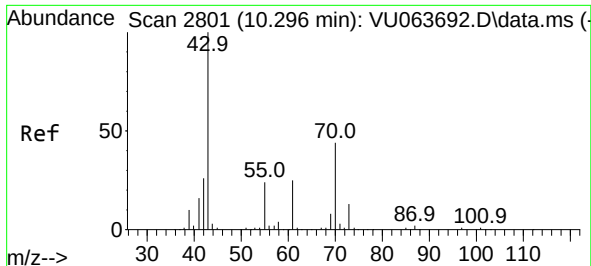
Ion Ratio Lower Upper

152 100

115 61.4 41.0 123.0

150 157.0 0.0 342.2

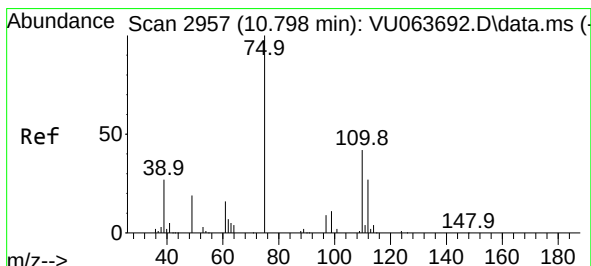
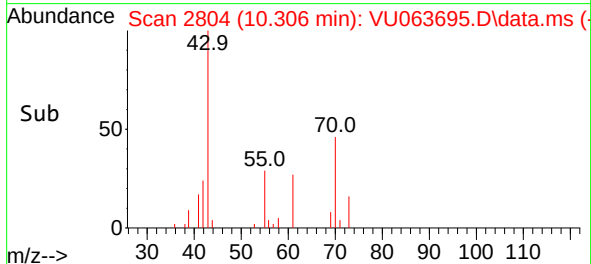
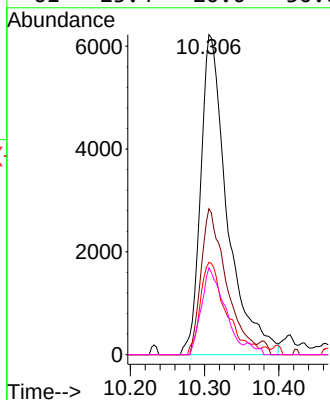
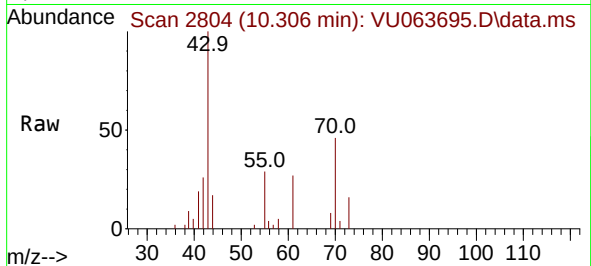




#74
N-amy1 acetate
Concen: 0.824 ug/l
RT: 10.306 min Scan# 2804
Delta R.T. 0.010 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

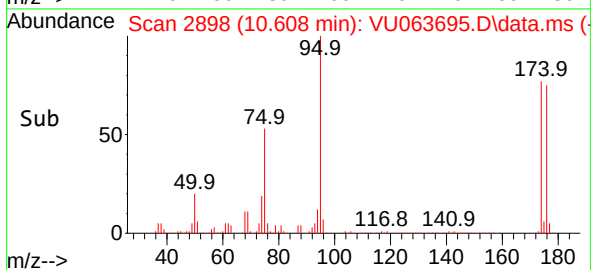
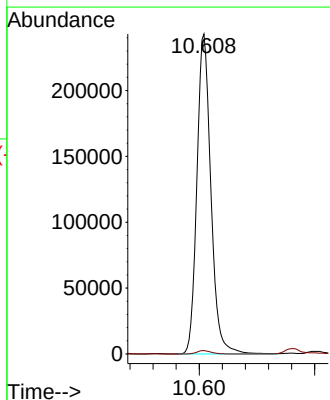
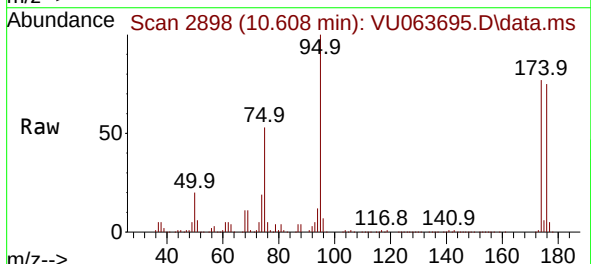
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

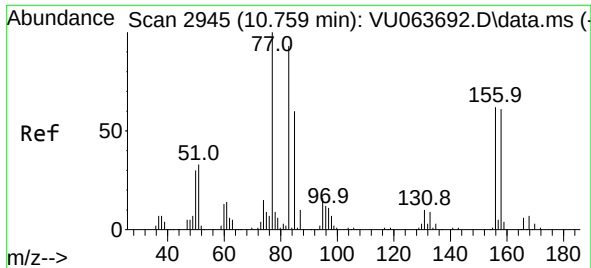
Tgt Ion: 43	Resp: 15486
Ion Ratio	Lower Upper
43 100	
70 43.3	36.5 54.7
55 28.0	20.6 30.8
61 23.4	20.0 30.0



#76
1,2,3-Trichloropropane
Concen: 18.882 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. -0.190 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 75	Resp: 408714
Ion Ratio	Lower Upper
75 100	
77 1.1	0.0 0.0#

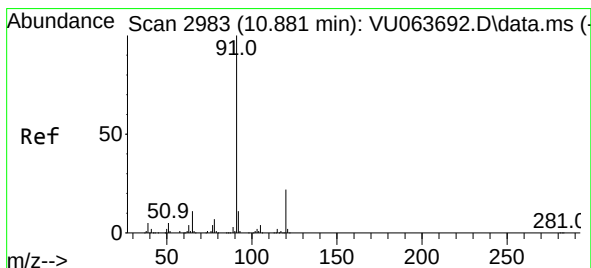
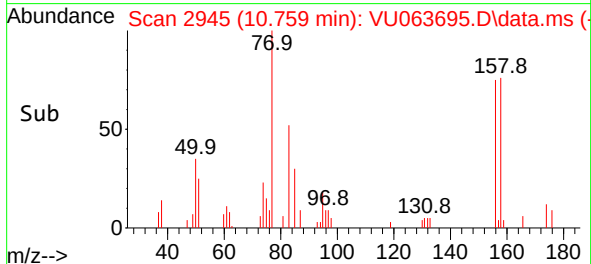
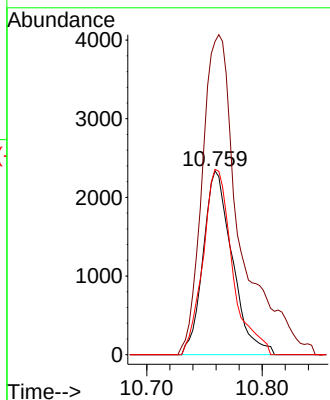
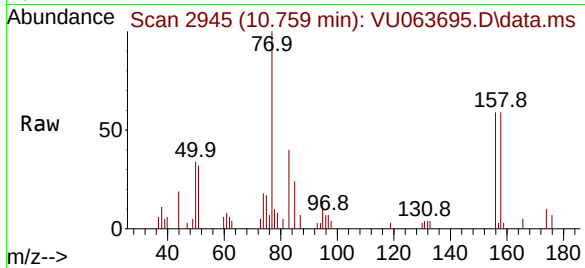




#77
Bromobenzene
Concen: 0.302 ug/l
RT: 10.759 min Scan# 2945
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

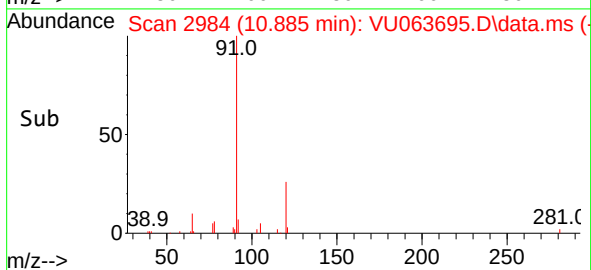
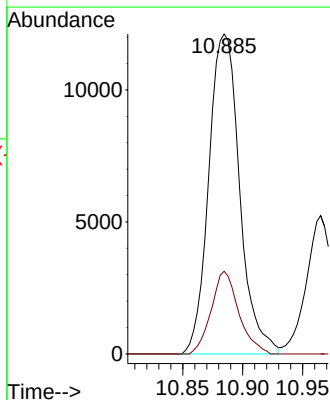
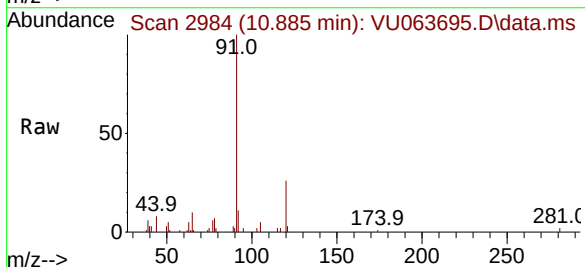
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

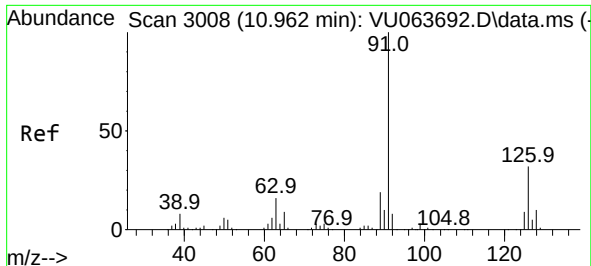
Tgt Ion:156 Resp: 4101
Ion Ratio Lower Upper
156 100
77 226.2 81.4 244.2
158 101.9 48.8 146.3



#78
n-propylbenzene
Concen: 0.351 ug/l
RT: 10.885 min Scan# 2984
Delta R.T. 0.003 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 91 Resp: 21708
Ion Ratio Lower Upper
91 100
120 23.1 11.2 33.6

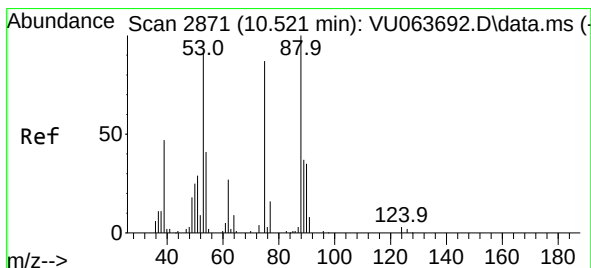
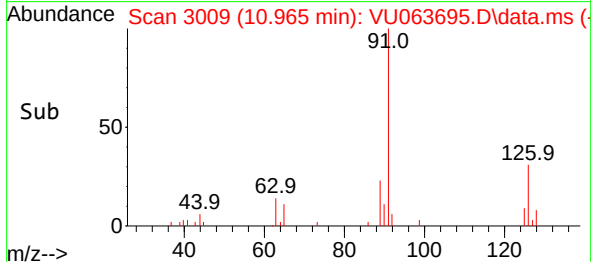
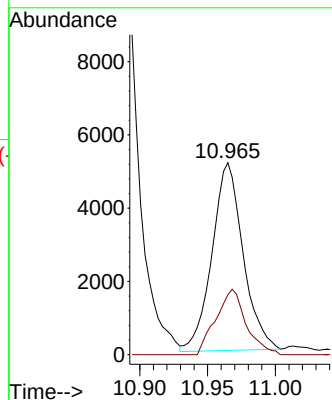
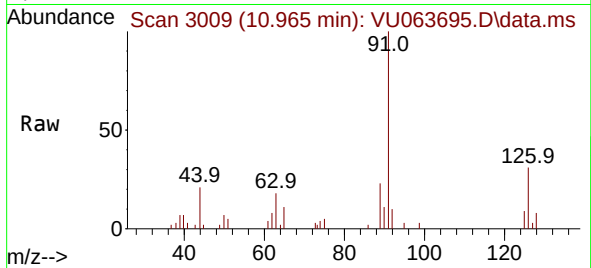




#79
2-Chlorotoluene
Concen: 0.204 ug/l
RT: 10.965 min Scan# 3008
Delta R.T. 0.003 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

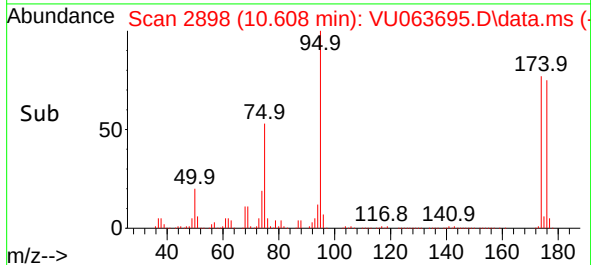
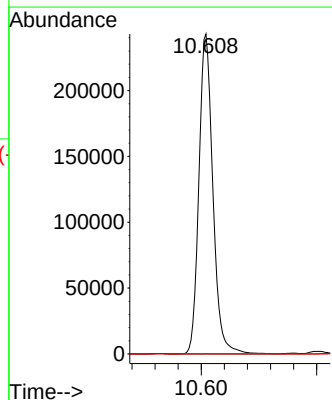
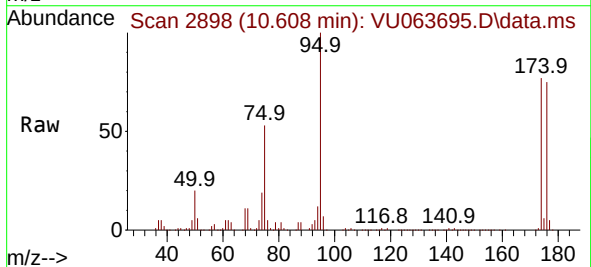
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

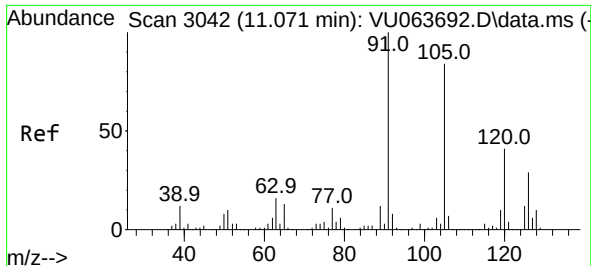
Tgt Ion: 91 Resp: 8172
Ion Ratio Lower Upper
91 100
126 33.8 16.4 49.1



#81
trans-1,4-Dichloro-2-butene
Concen: 100.592 ug/l
RT: 10.608 min Scan# 2898
Delta R.T. 0.087 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 75 Resp: 408714
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 35.2 52.8#

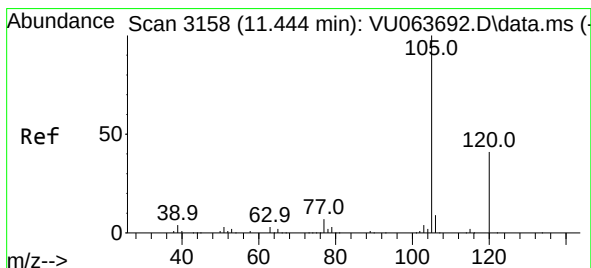
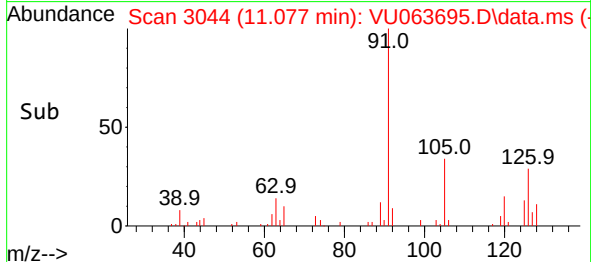
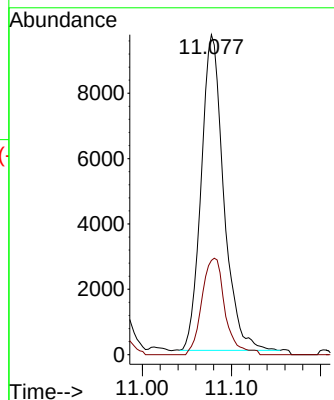
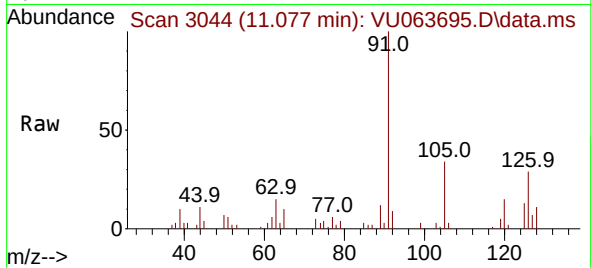




#82
4-Chlorotoluene
Concen: 0.373 ug/l
RT: 11.077 min Scan# 3042
Delta R.T. 0.006 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

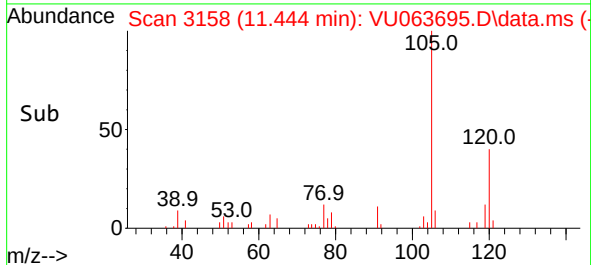
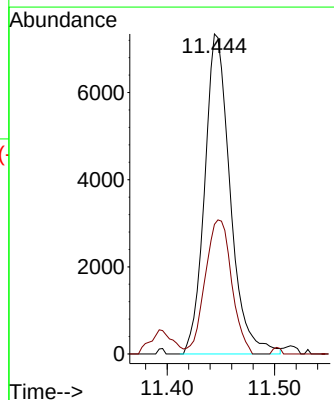
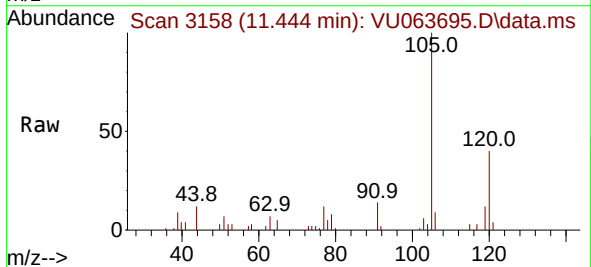
Instrument :
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ClientSampleId :
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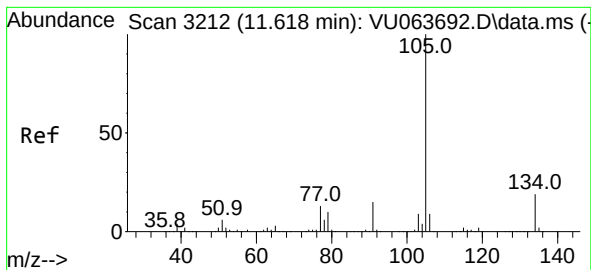
Tgt Ion: 91 Resp: 16958
Ion Ratio Lower Upper
91 100
126 31.3 14.2 42.8



#84
1,2,4-Trimethylbenzene
Concen: 0.273 ug/l
RT: 11.444 min Scan# 3158
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion: 105 Resp: 12137
Ion Ratio Lower Upper
105 100
120 43.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 0.341 ug/l

RT: 11.621 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

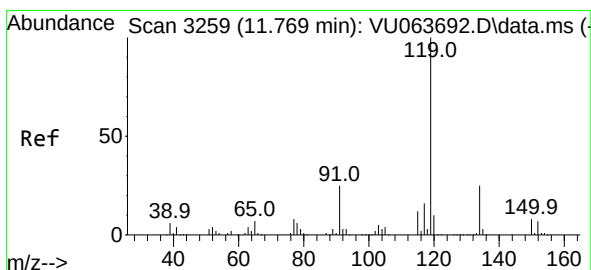
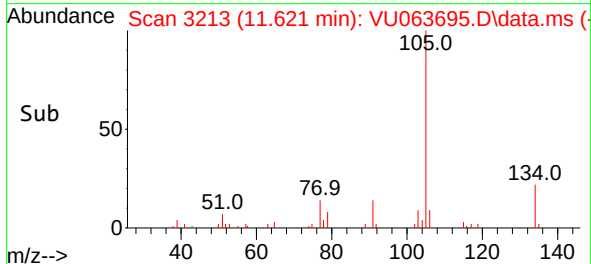
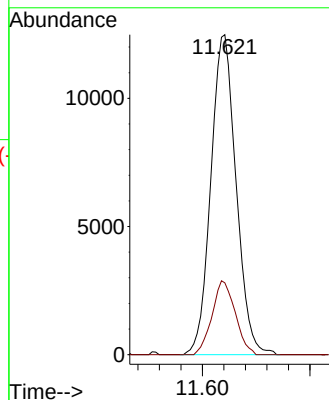
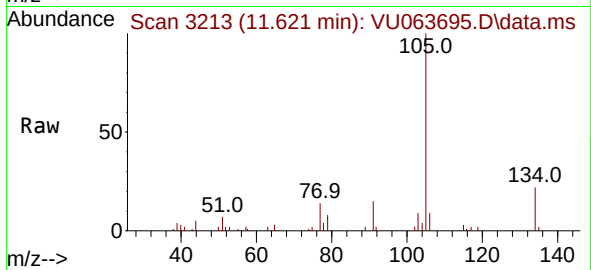
VIBLK

Tgt Ion:105 Resp: 20331

Ion Ratio Lower Upper

105 100

134 21.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 0.417 ug/l

RT: 11.772 min Scan# 3260

Delta R.T. 0.003 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

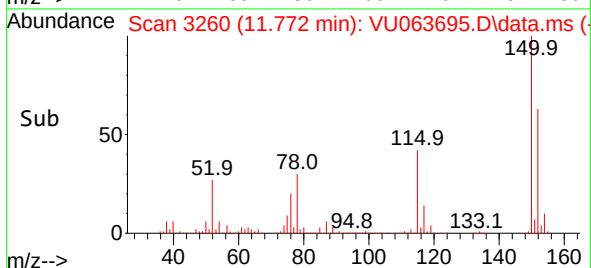
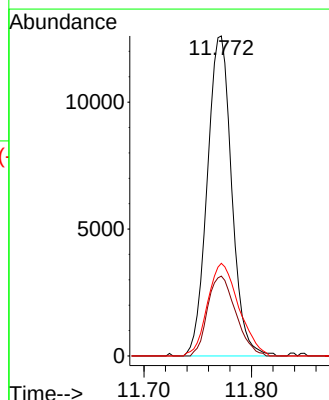
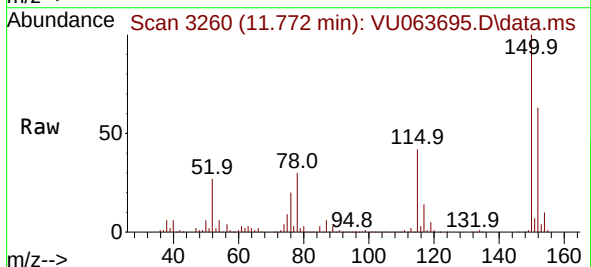
Tgt Ion:119 Resp: 19912

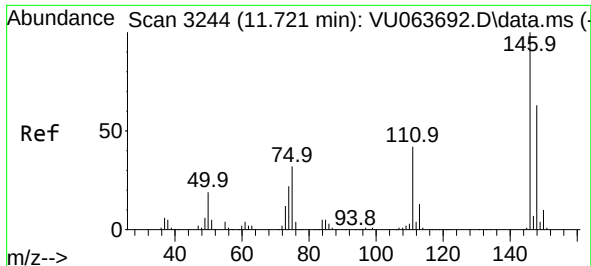
Ion Ratio Lower Upper

119 100

134 28.7 12.6 37.6

91 36.9 12.6 37.8





#87

1,3-Dichlorobenzene

Concen: 0.511 ug/l

RT: 11.724 min Scan# 3245

Delta R.T. 0.003 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

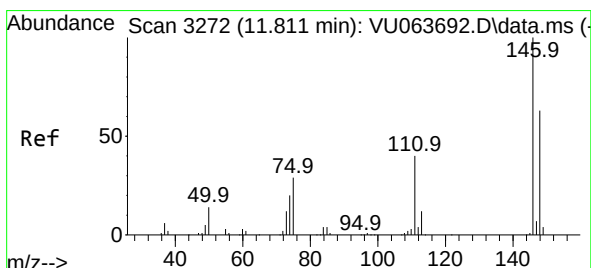
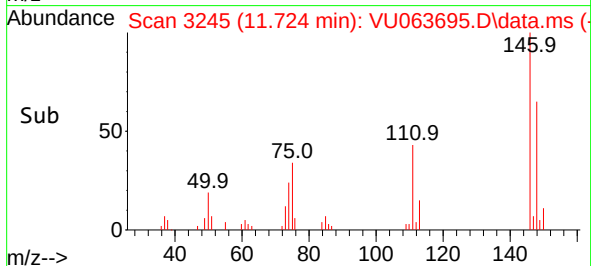
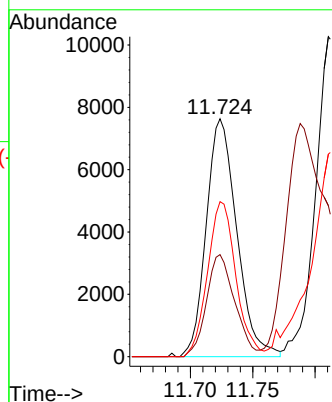
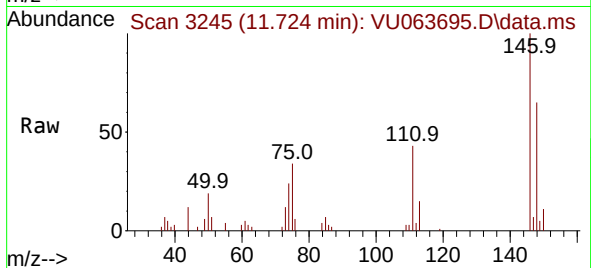
Tgt Ion:146 Resp: 13023

Ion Ratio Lower Upper

146 100

111 39.9 20.6 61.8

148 60.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 0.488 ug/l

RT: 11.724 min Scan# 3245

Delta R.T. -0.087 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

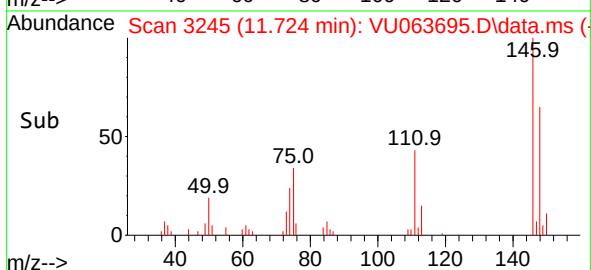
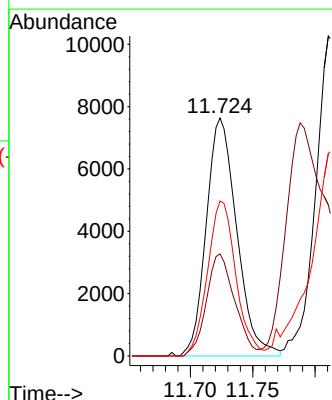
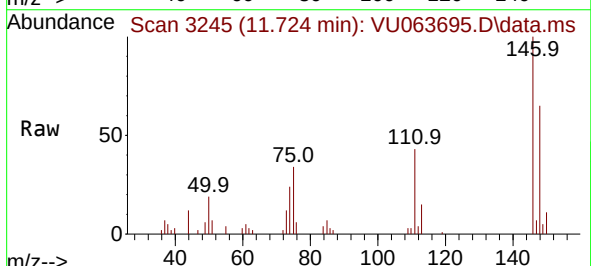
Tgt Ion:146 Resp: 13023

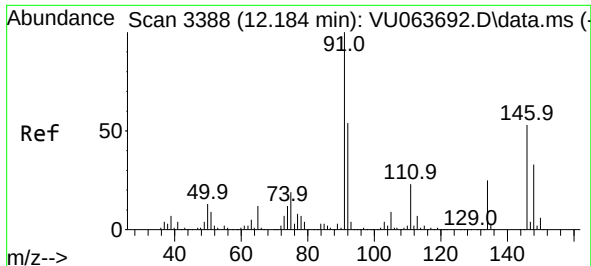
Ion Ratio Lower Upper

146 100

111 39.9 20.4 61.3

148 60.5 31.4 94.3





#89

n-Butylbenzene

Concen: 1.011 ug/l

RT: 12.187 min Scan# 3388

Delta R.T. 0.003 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

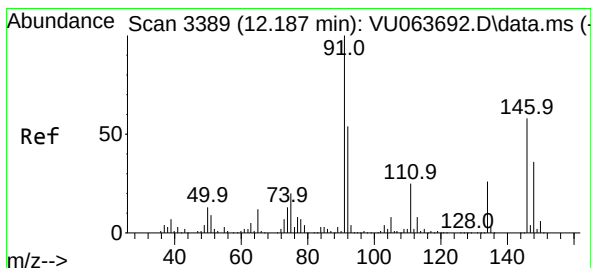
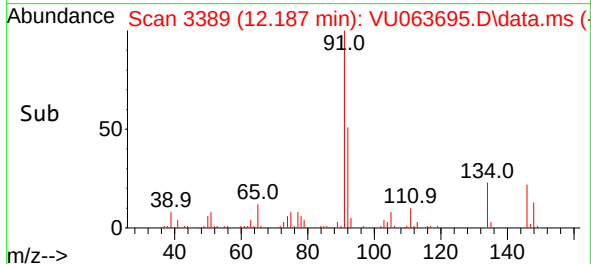
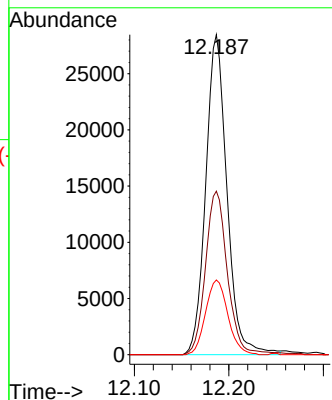
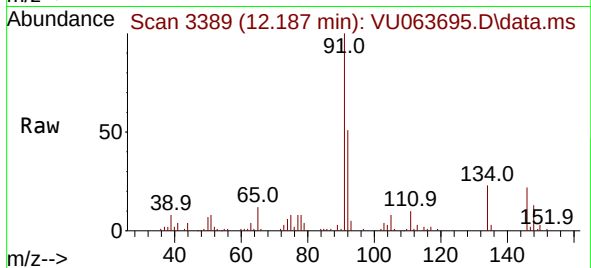
Tgt Ion: 91 Resp: 44367

Ion Ratio Lower Upper

91 100

92 53.2 27.0 81.0

134 24.6 12.4 37.4



#91

1,2-Dichlorobenzene

Concen: 0.452 ug/l

RT: 12.190 min Scan# 3390

Delta R.T. 0.003 min

Lab File: VU063695.D

Acq: 10 Nov 2025 15:03

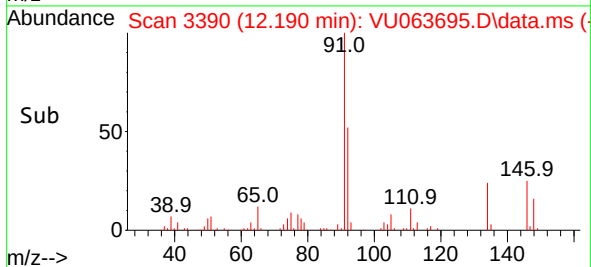
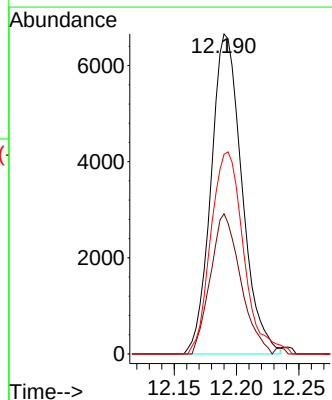
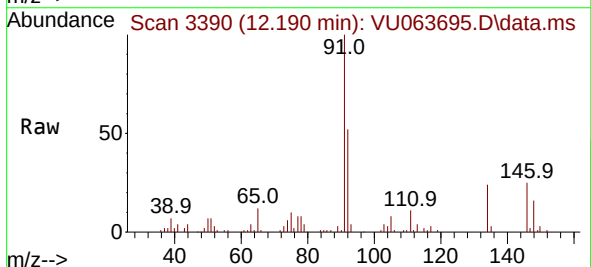
Tgt Ion:146 Resp: 11499

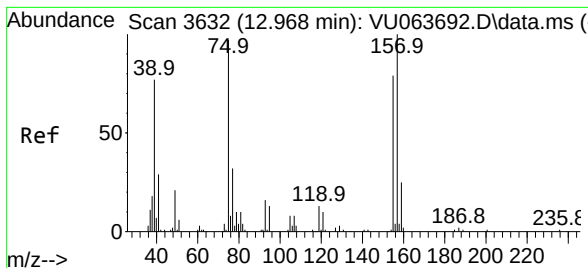
Ion Ratio Lower Upper

146 100

111 42.7 21.8 65.3

148 66.9 31.6 94.7

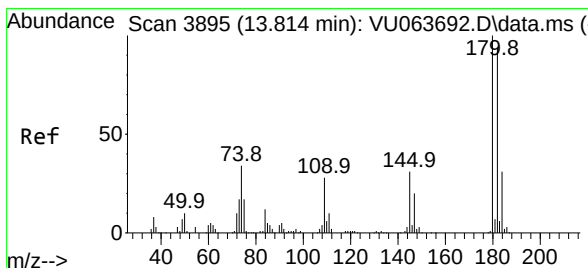
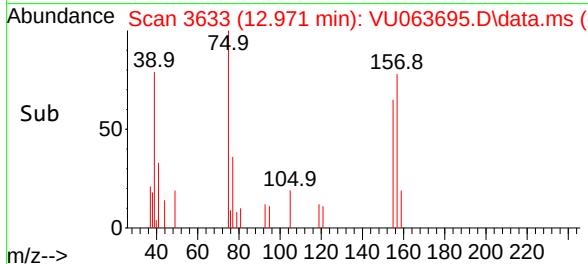
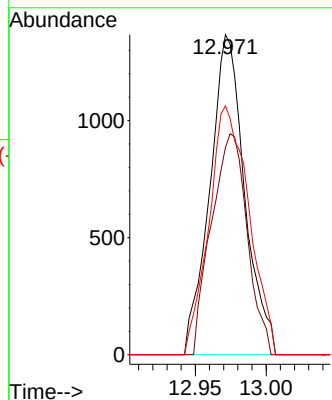
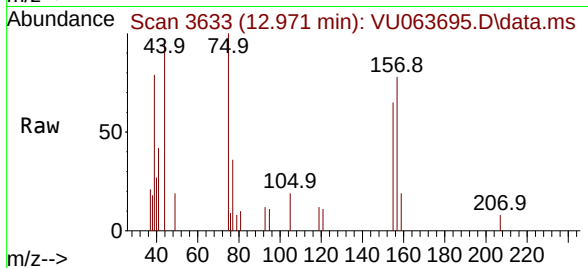




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.549 ug/l
 RT: 12.971 min Scan# 3633
 Delta R.T. 0.003 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

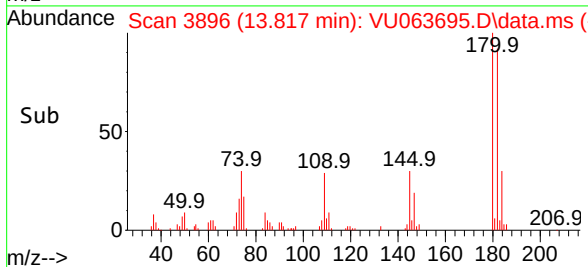
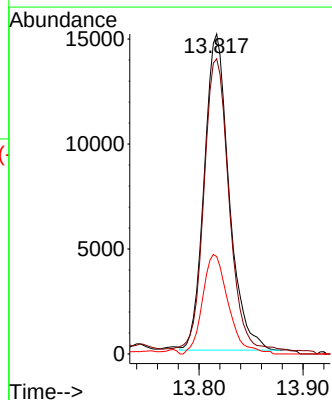
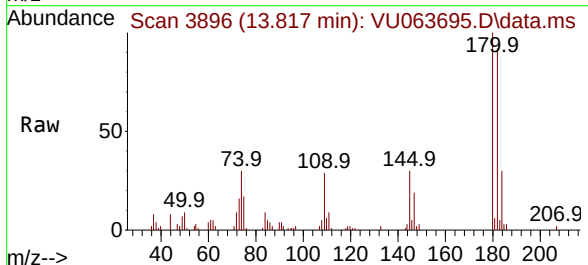
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

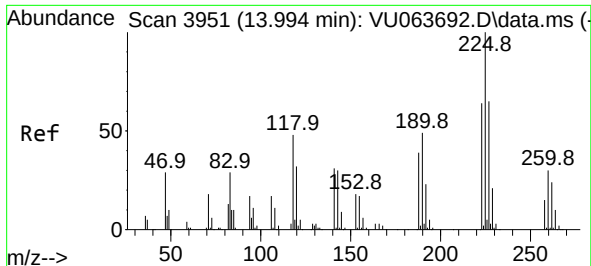
Tgt Ion: 75 Resp: 2333
 Ion Ratio Lower Upper
 75 100
 155 71.1 40.5 121.4
 157 89.2 50.4 151.3



#93
 1,2,4-Trichlorobenzene
 Concen: 1.539 ug/l
 RT: 13.817 min Scan# 3896
 Delta R.T. 0.003 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

Tgt Ion: 180 Resp: 24987
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.6 142.9
 145 32.6 15.9 47.6

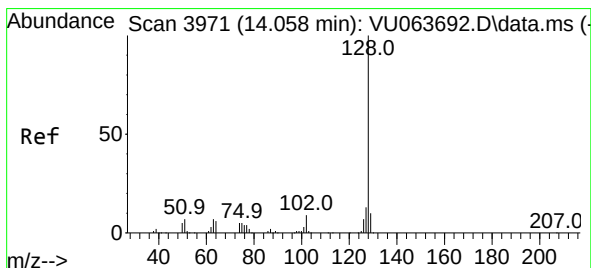
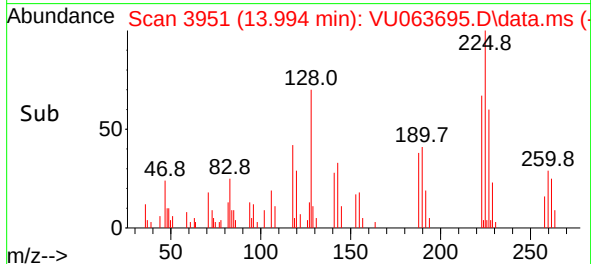
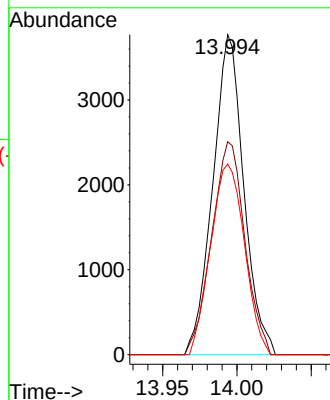
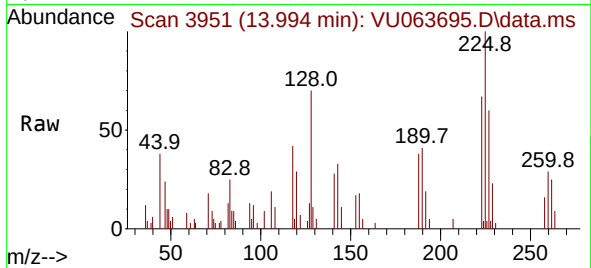




#94
Hexachlorobutadiene
Concen: 0.668 ug/l
RT: 13.994 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

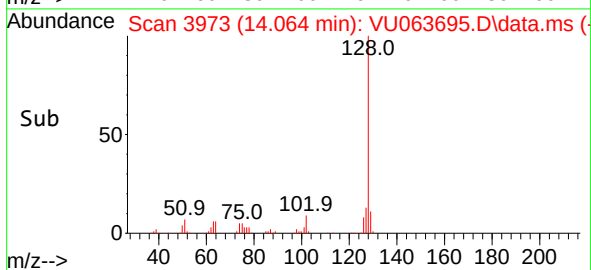
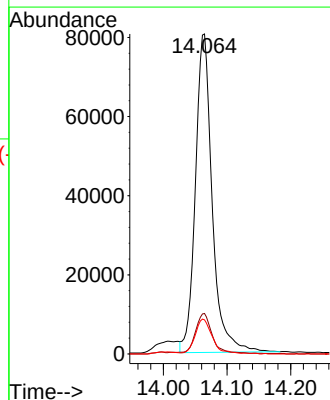
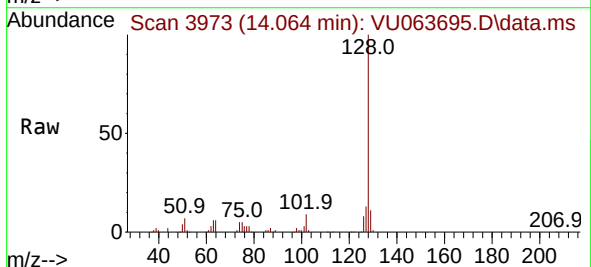
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

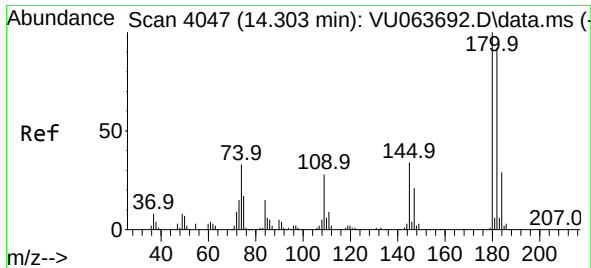
Tgt Ion:	225	Resp:	5464
Ion Ratio	Lower	Upper	
225	100		
223	71.2	31.6	94.8
227	65.2	32.4	97.0



#95
Naphthalene
Concen: 3.361 ug/l
RT: 14.064 min Scan# 3973
Delta R.T. 0.006 min
Lab File: VU063695.D
Acq: 10 Nov 2025 15:03

Tgt Ion:	128	Resp:	147815
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.9	14.9
129	10.7	8.4	12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.813 ug/l
 RT: 14.302 min Scan# 4047
 Delta R.T. -0.000 min
 Lab File: VU063695.D
 Acq: 10 Nov 2025 15:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Tgt Ion:180 Resp: 27370
 Ion Ratio Lower Upper
 180 100
 182 92.7 47.3 142.0
 145 34.3 16.6 49.7

