

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063581.D
 Acq On : 15 Sep 2025 16:14
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Sep 16 04:57:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091225DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 03:31:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.097	96	34075	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10627	0.837	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10635	0.822	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	806	0.073	ug/l	90
4) Vinyl Chloride	1.599	62	238	0.020	ug/l #	66
5) Bromomethane	1.846	94	321	0.044	ug/l #	66
6) Chloroethane	1.759	64	42	0.005	ug/l #	43
9) 1,1-Dichloroethene	2.573	96	76	0.009	ug/l	27
10) Iodomethane	2.714	142	948	0.074	ug/l	93
11) Allyl Chloride	2.885	41	189	0.013	ug/l	84
14) Carbon Disulfide	2.775	76	235	0.013	ug/l #	75
16) trans-1,2-Dichloroethene	3.341	96	382	0.040	ug/l #	78
18) 2-Butanone	4.705	43	40	0.009	ug/l	78
19) Cyclohexane	5.370	56	123	0.007	ug/l #	32
21) 2,2-Dichloropropane	4.817	77	41	0.003	ug/l #	54
22) cis-1,2-Dichloroethene	4.647	96	65	0.006	ug/l #	52
25) Methyl tert-Butyl Ether	3.345	73	81	0.003	ug/l #	1
27) Chloroform	5.071	83	287	0.013	ug/l	81
29) 1,1-Dichloropropene	5.508	75	155	0.010	ug/l #	67
31) Isopropyl Ether	4.033	45	86	0.002	ug/l	65
32) Ethyl-t-butyl ether	4.492	59	233	0.008	ug/l #	36
33) Tert-Amyl methyl ether	6.007	73	41	0.002	ug/l #	58
35) Benzene	5.769	78	1484	0.033	ug/l	98
36) 1,2-Dichloroethane	5.785	62	649	0.043	ug/l #	78
37) Trichloroethene	6.524	130	308	0.028	ug/l #	69
38) 1,2-Dichloropropane	6.775	63	84	0.007	ug/l #	44
39) Methacrylonitrile	4.975	41	170	0.036	ug/l #	1
40) Methyl acrylate	4.824	55	20	0.003	ug/l #	1
41) Tetrahydrofuran	5.058	42	473	0.190	ug/l #	35
42) 1-Chlorobutane	5.444	56	46	0.002	ug/l #	1
45) 4-Methyl-2-Pentanone	7.798	43	448	0.063	ug/l #	71
49) Toluene	7.965	92	321	0.013	ug/l #	25
52) 1,1,2-Trichloroethane	8.396	97	240	0.030	ug/l #	74
54) 2-Hexanone	8.701	43	250	0.048	ug/l #	79
58) Tetrachloroethene	8.540	164	312	0.029	ug/l #	79
59) Chlorobenzene	9.444	112	1881	0.067	ug/l	95
63) Ethyl Benzene	9.566	91	3018	0.063	ug/l	100
64) m/p-Xylenes	9.688	106	1123	0.061	ug/l	80
65) o-Xylene	10.093	106	908	0.050	ug/l	88
66) Styrene	10.122	104	805	0.028	ug/l #	71
69) Isopropylbenzene	10.476	105	471	0.011	ug/l #	50
73) n-propylbenzene	11.081	120	284	0.022	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.084	105	408	0.010	ug/l #	67
77) tert-Butylbenzene	11.418	119	142	0.004	ug/l #	78
78) 1,2,4-Trimethylbenzene	11.466	105	761	0.019	ug/l	84
79) sec-Butylbenzene	11.637	105	581	0.011	ug/l #	65

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Sep 13 03:31:19 2025
 Response via : Initial Calibration

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

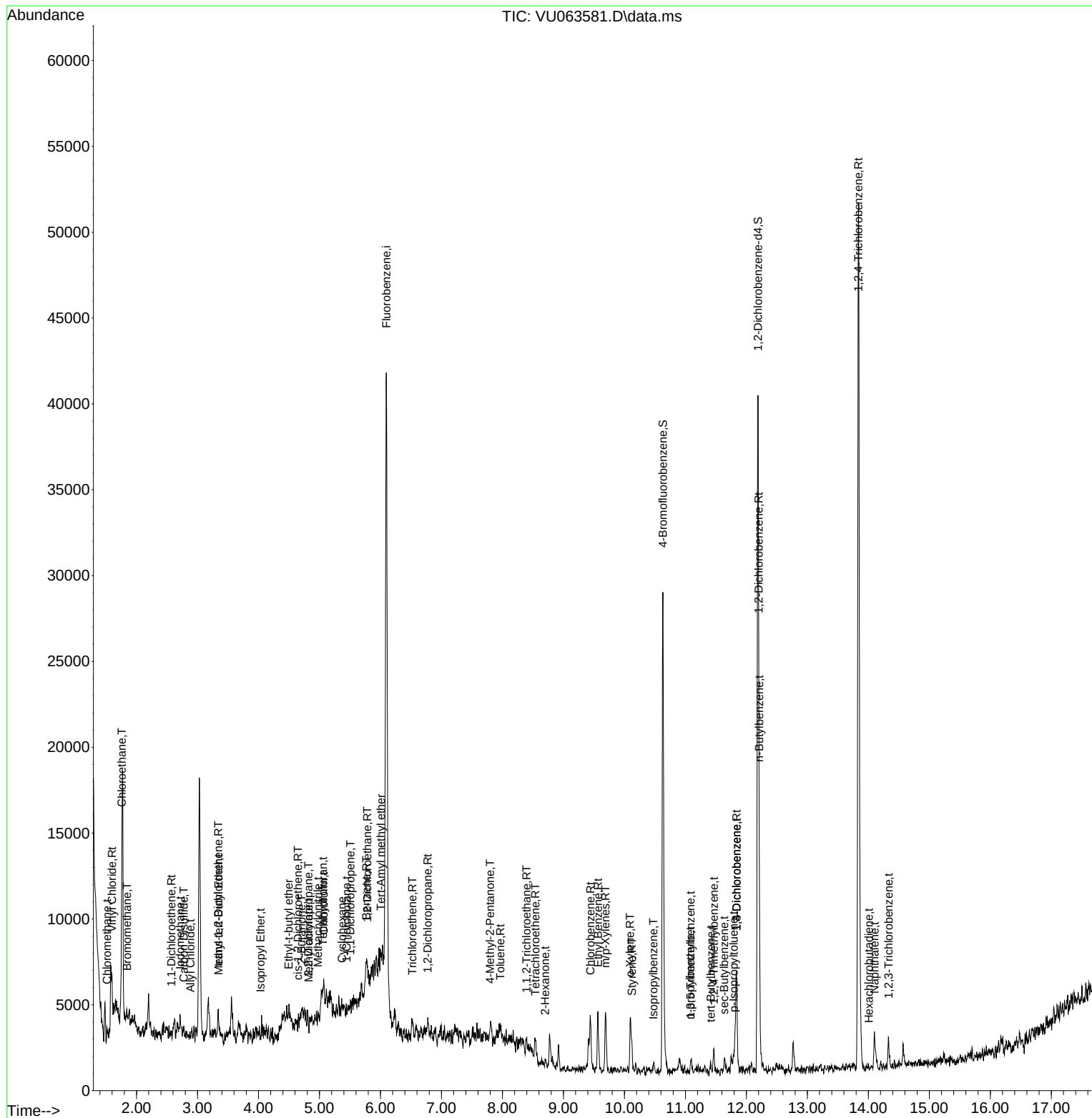
81) p-Isopropyltoluene	11.794	119	701	0.016	ug/l #	74
82) 1,3-Dichlorobenzene	11.839	146	2927	0.126	ug/l	93
83) 1,4-Dichlorobenzene	11.839	146	2927	0.123	ug/l	93
84) n-Butylbenzene	12.209	91	1310	0.032	ug/l #	90
85) 1,2-Dichlorobenzene	12.203	146	2469	0.110	ug/l	92
87) 1,2,4-Trichlorobenzene	13.836	180	17776	1.311	ug/l	98
88) Hexachlorobutadiene	14.010	225	47	0.006	ug/l #	18
89) Naphthalene	14.103	128	2560	0.107	ug/l #	83
90) 1,2,3-Trichlorobenzene	14.334	180	727	0.057	ug/l #	90

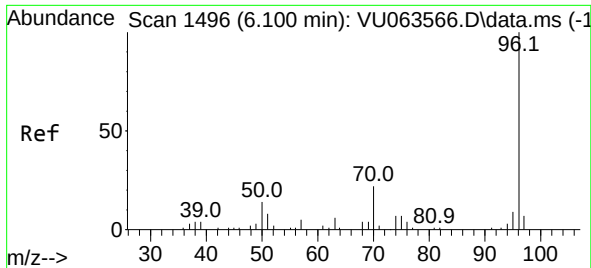
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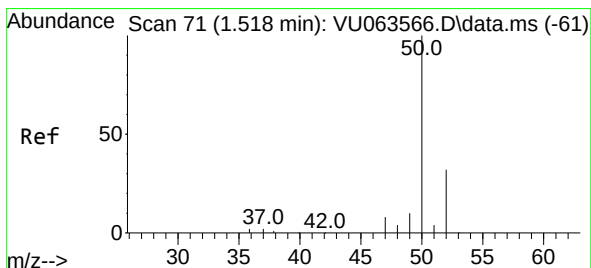
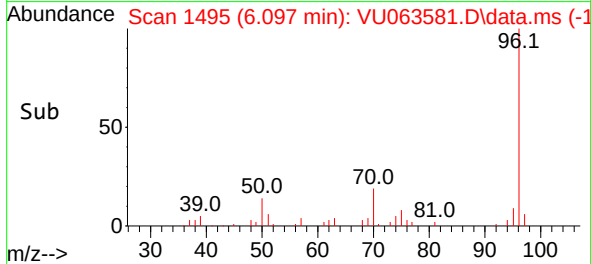
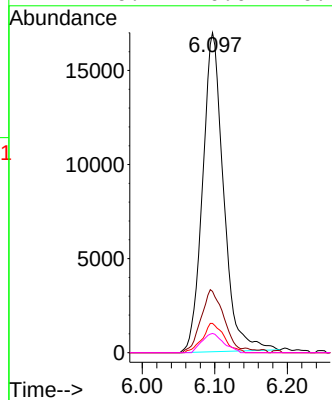
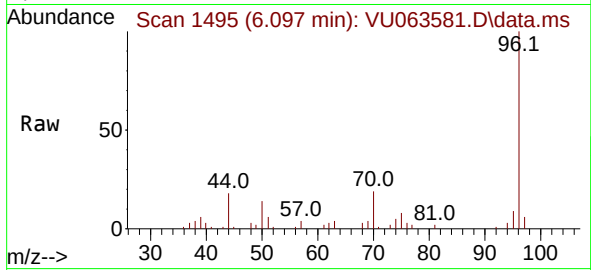




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.097 min Scan# 1496
Delta R.T. -0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

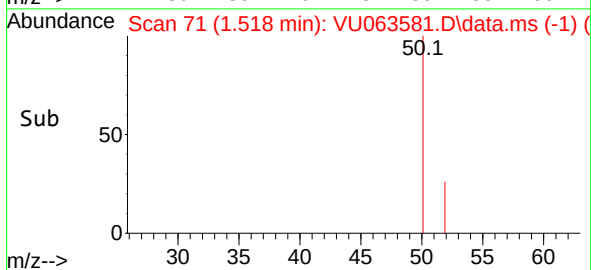
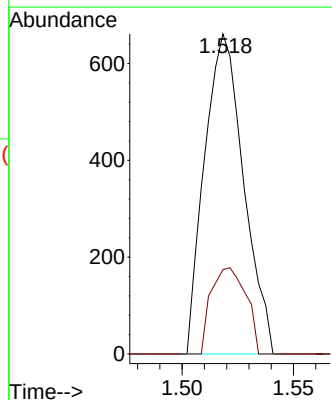
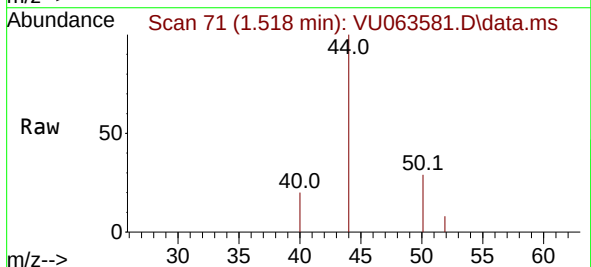
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

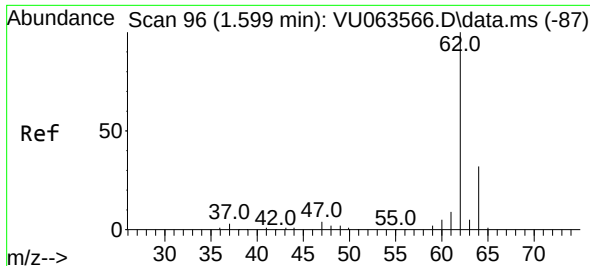
Tgt Ion: 96 Resp: 34075
Ion Ratio Lower Upper
96 100
70 19.8 15.5 23.3
95 9.5 7.7 11.5
97 6.2 0.0 0.0#



#3
Chloromethane
Concen: 0.073 ug/l
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 50 Resp: 806
Ion Ratio Lower Upper
50 100
52 26.3 25.6 38.4

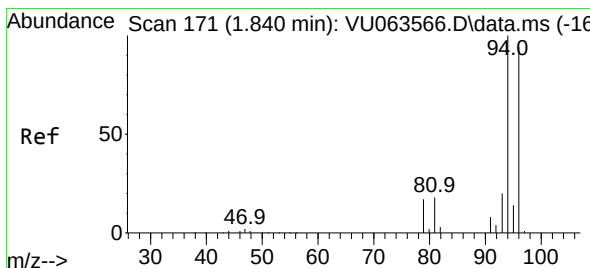
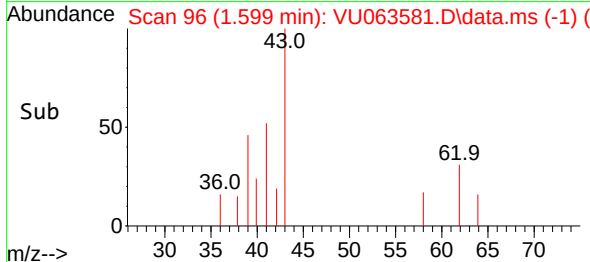
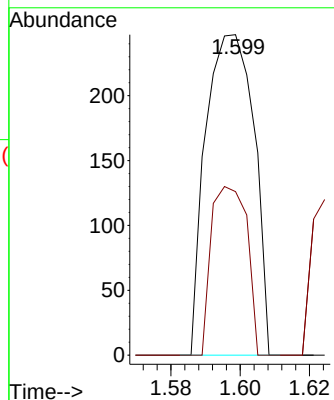
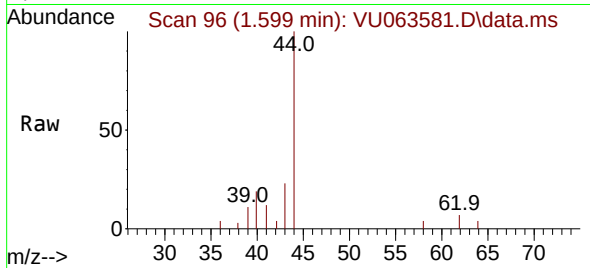




#4
 Vinyl Chloride
 Concen: 0.020 ug/l
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU063581.D
 Acq: 15 Sep 2025 16:14

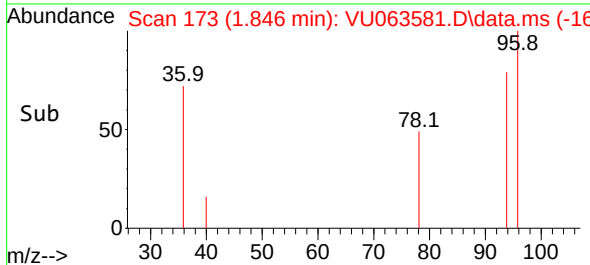
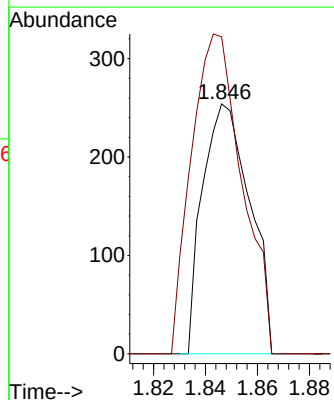
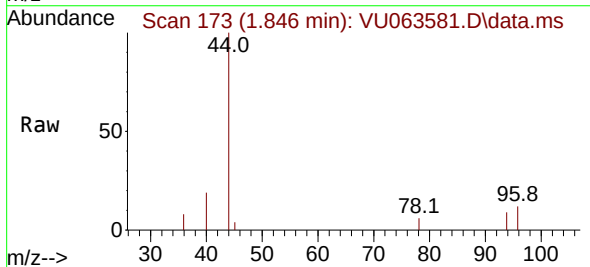
Instrument :
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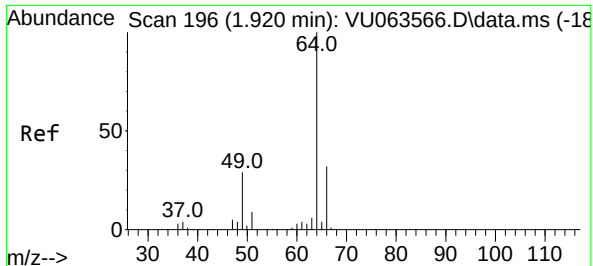
Tgt Ion: 62 Resp: 238
 Ion Ratio Lower Upper
 62 100
 64 51.0 25.5 38.3#



#5
 Bromomethane
 Concen: 0.044 ug/l
 RT: 1.846 min Scan# 173
 Delta R.T. 0.006 min
 Lab File: VU063581.D
 Acq: 15 Sep 2025 16:14

Tgt Ion: 94 Resp: 321
 Ion Ratio Lower Upper
 94 100
 96 126.8 75.1 112.7#

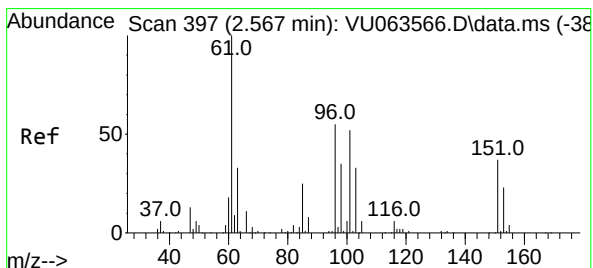
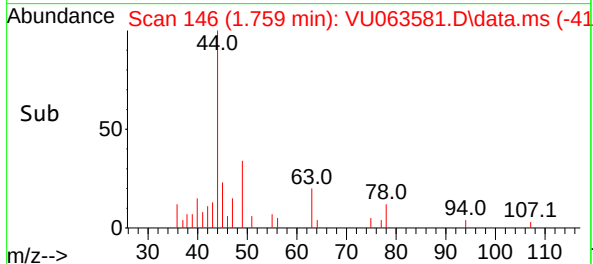
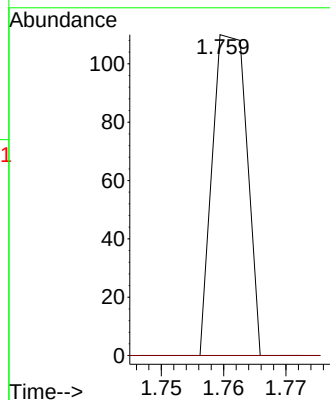
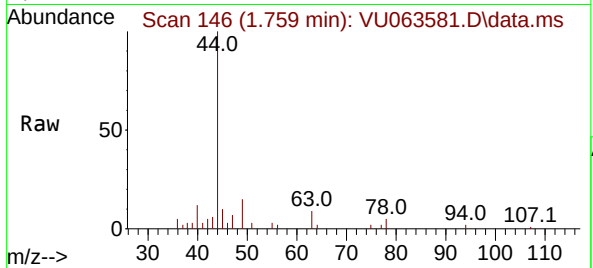




#6
Chloroethane
Concen: 0.005 ug/l
RT: 1.759 min Scan# 14
Delta R.T. -0.161 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

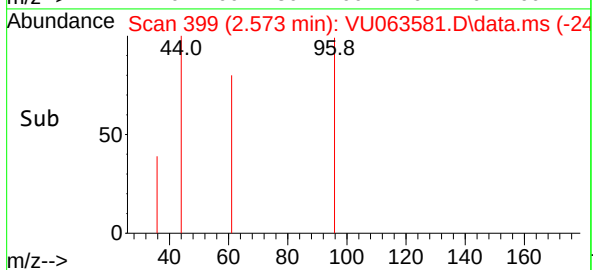
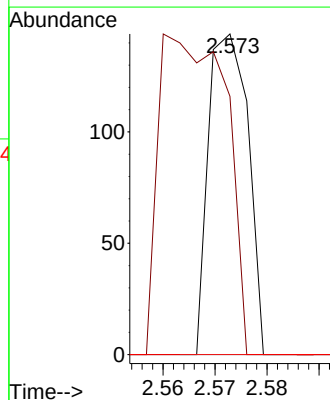
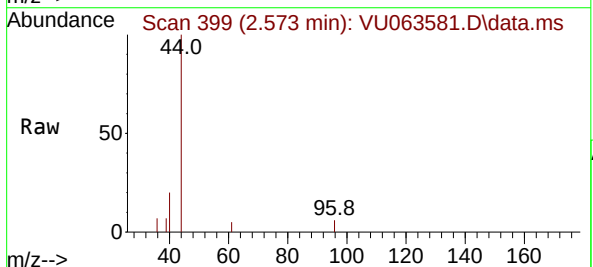
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

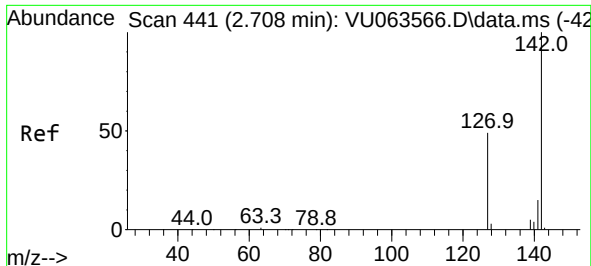
Tgt Ion: 64 Resp: 42
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1-Dichloroethene
Concen: 0.009 ug/l
RT: 2.573 min Scan# 399
Delta R.T. 0.006 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 96 Resp: 76
Ion Ratio Lower Upper
96 100
61 80.6 0.0 543.9
98 0.0 0.0 125.8

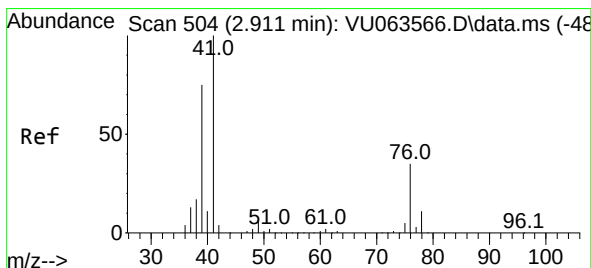
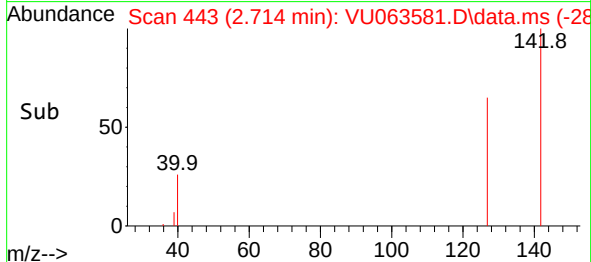
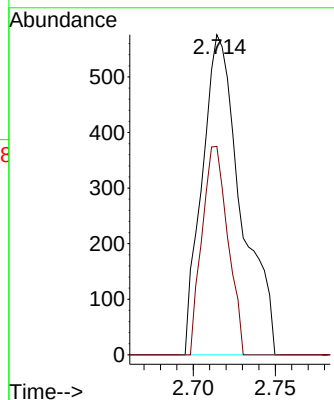
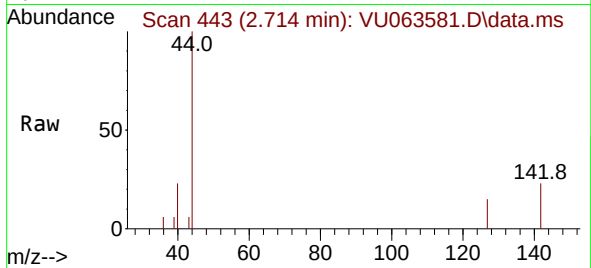




#10
Iodomethane
Concen: 0.074 ug/l
RT: 2.714 min Scan# 441
Delta R.T. 0.006 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

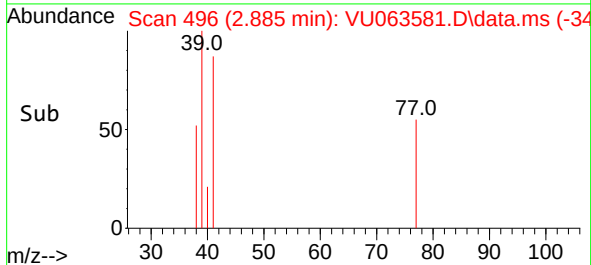
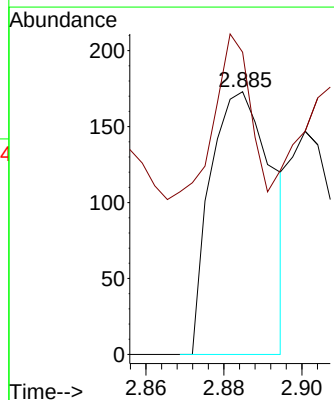
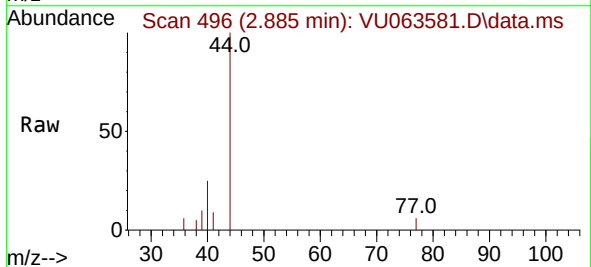
Instrument :
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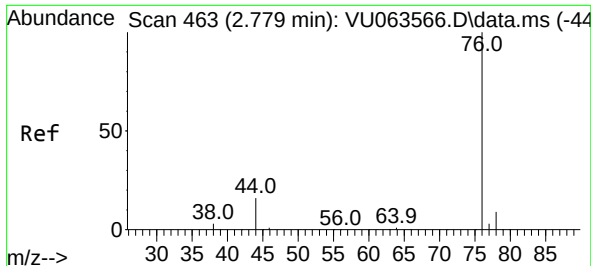
Tgt Ion:142 Resp: 948
Ion Ratio Lower Upper
142 100
127 43.2 38.6 58.0



#11
Allyl Chloride
Concen: 0.013 ug/l
RT: 2.885 min Scan# 496
Delta R.T. -0.026 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 41 Resp: 189
Ion Ratio Lower Upper
41 100
39 90.5 61.2 91.8

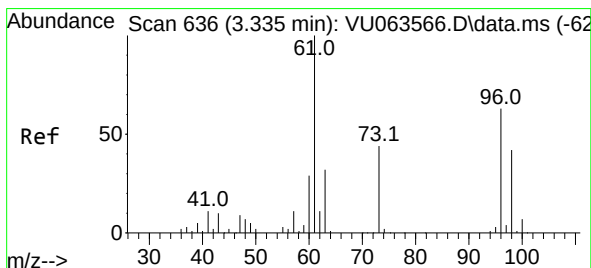
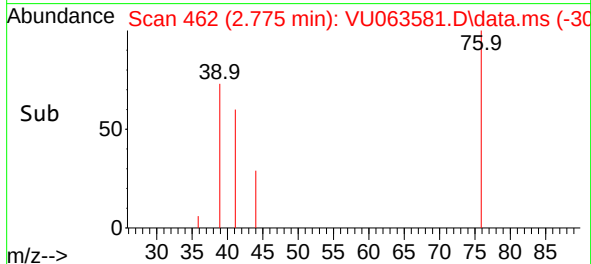
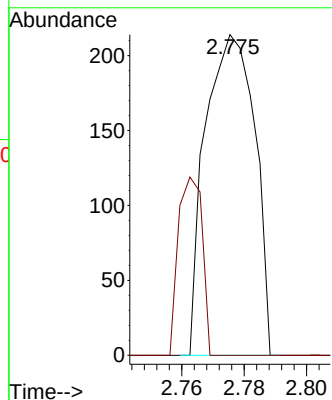
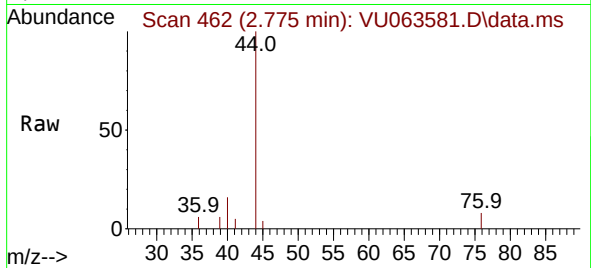




#14
Carbon Disulfide
Concen: 0.013 ug/l
RT: 2.775 min Scan# 4
Delta R.T. -0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

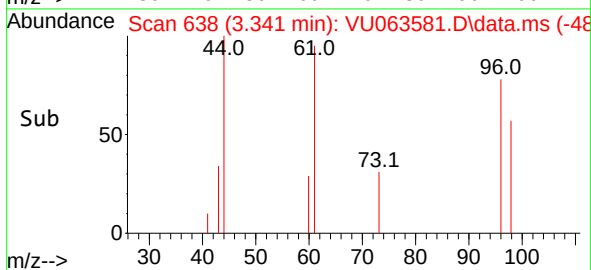
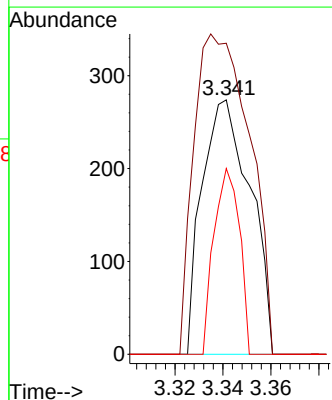
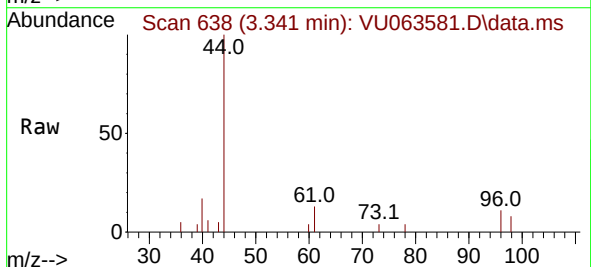
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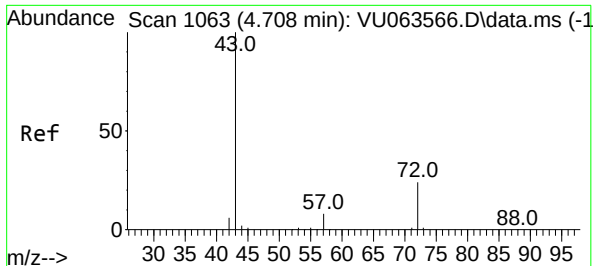
Tgt Ion: 76 Resp: 235
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#16
trans-1,2-Dichloroethene
Concen: 0.040 ug/l
RT: 3.341 min Scan# 638
Delta R.T. 0.006 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 96 Resp: 382
Ion Ratio Lower Upper
96 100
61 122.3 127.8 191.6#
98 73.0 53.8 80.8

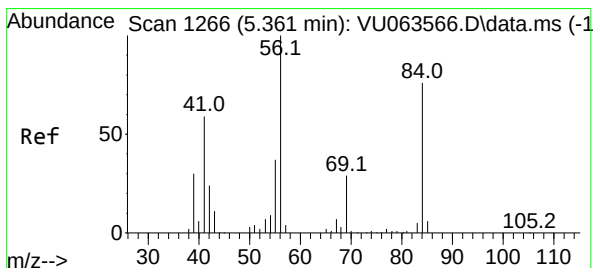
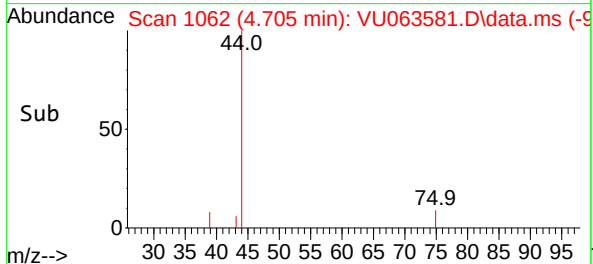
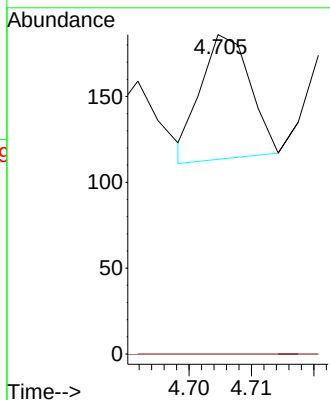
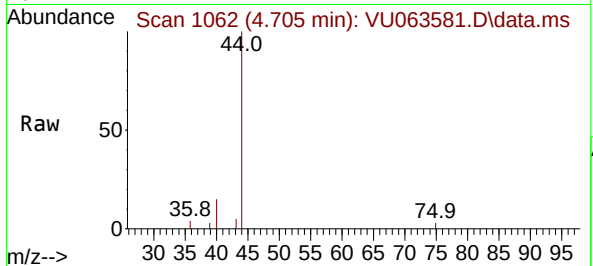




#18
2-Butanone
Concen: 0.009 ug/l
RT: 4.705 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

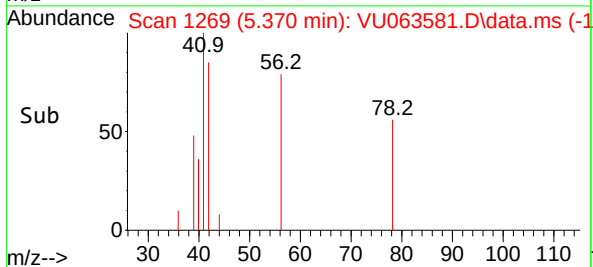
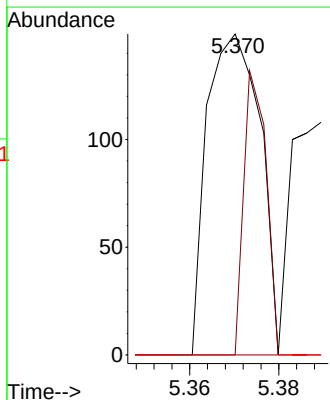
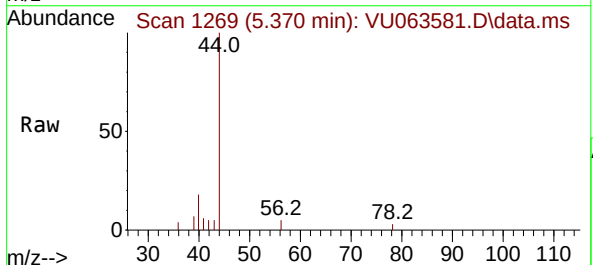
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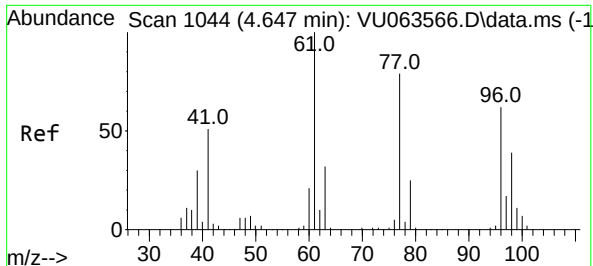
Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
57 0.0 0.0 15.8



#19
Cyclohexane
Concen: 0.007 ug/l
RT: 5.370 min Scan# 1269
Delta R.T. 0.010 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
69 37.4 22.7 34.1#
84 0.0 59.4 89.0#

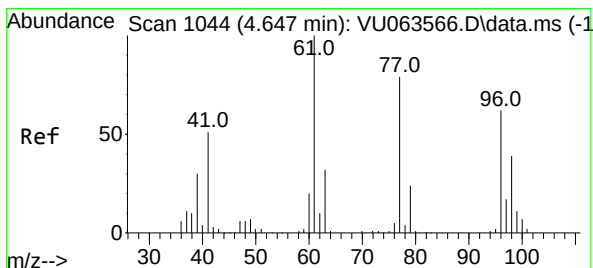
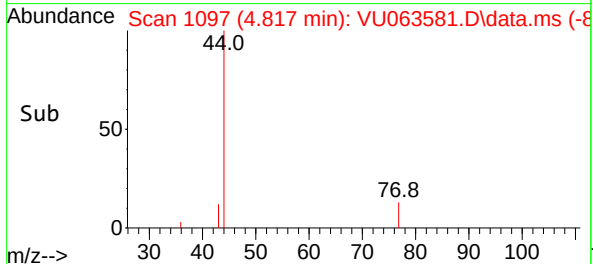
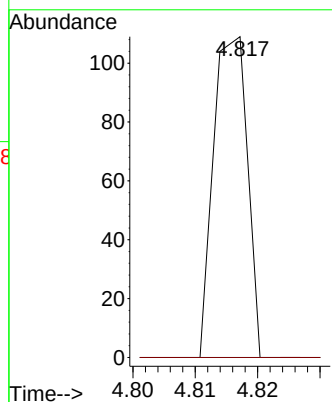
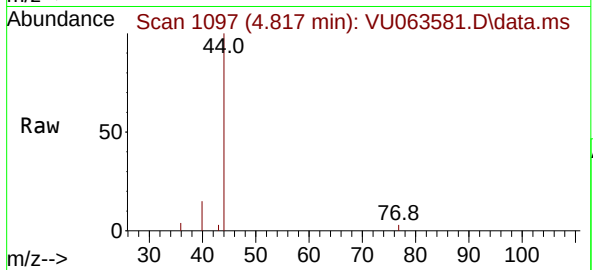




#21
2,2-Dichloropropane
Concen: 0.003 ug/l
RT: 4.817 min Scan# 1097
Delta R.T. 0.170 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

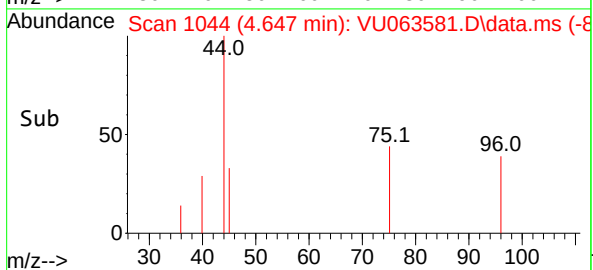
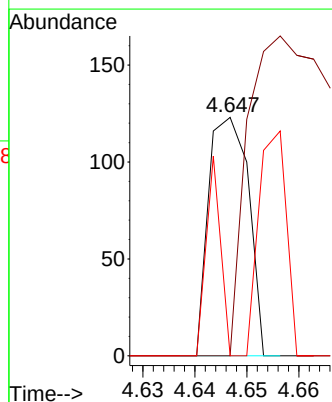
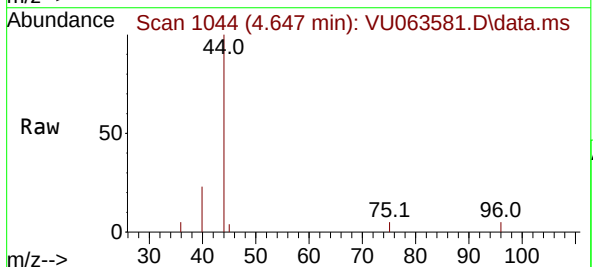
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

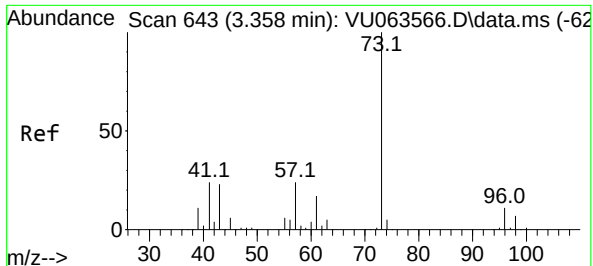
Tgt Ion: 77 Resp: 41
Ion Ratio Lower Upper
77 100
97 0.0 17.5 26.3#



#22
cis-1,2-Dichloroethene
Concen: 0.006 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 96 Resp: 65
Ion Ratio Lower Upper
96 100
61 96.9 0.0 411.0
98 30.8 31.9 95.9#

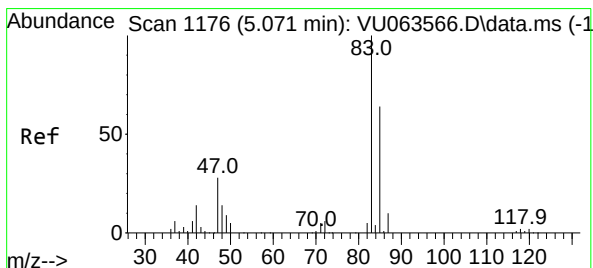
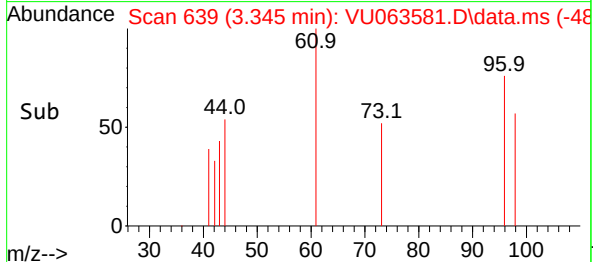
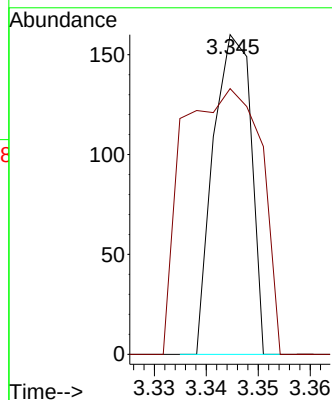
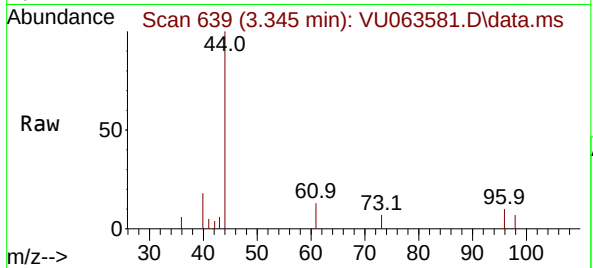




#25
Methyl tert-Butyl Ether
Concen: 0.003 ug/l
RT: 3.345 min Scan# 61
Delta R.T. -0.013 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

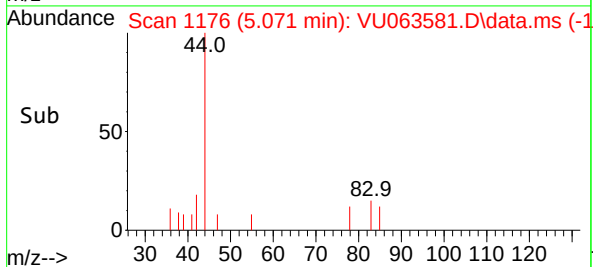
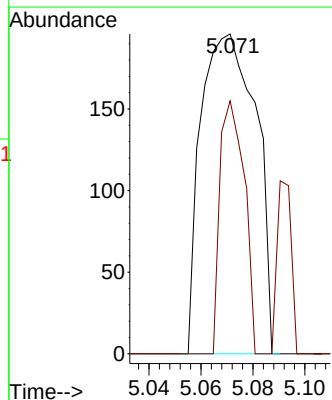
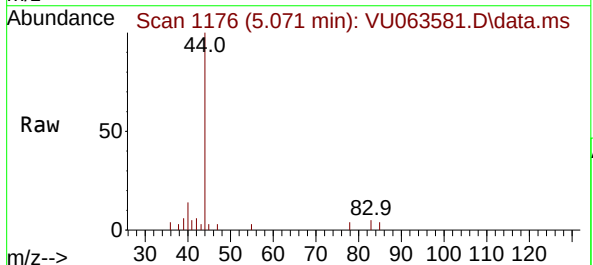
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

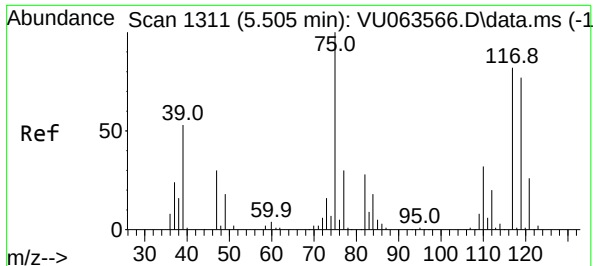
Tgt Ion: 73 Resp: 81
Ion Ratio Lower Upper
73 100
43 171.6 18.1 27.1#



#27
Chloroform
Concen: 0.013 ug/l
RT: 5.071 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 83 Resp: 287
Ion Ratio Lower Upper
83 100
85 79.1 0.0 128.6

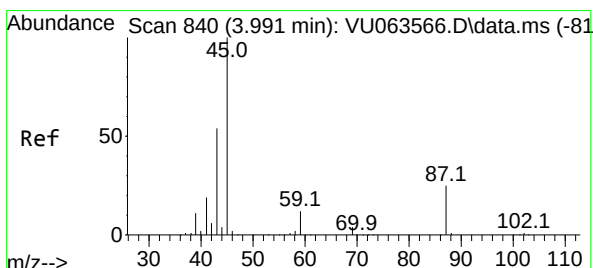
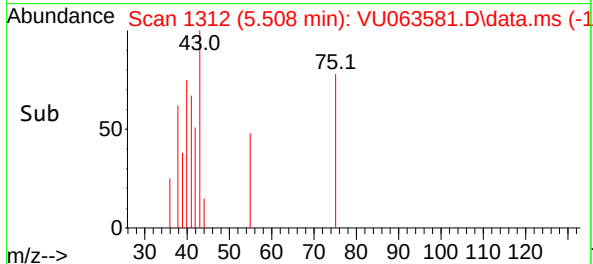
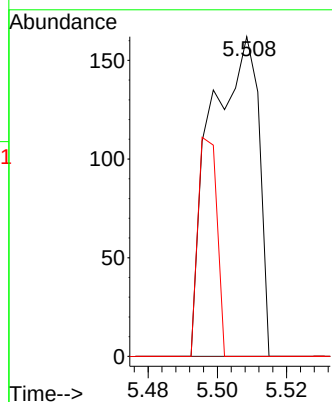
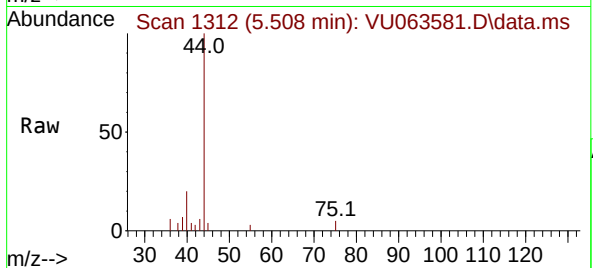




#29
1,1-Dichloropropene
Concen: 0.010 ug/l
RT: 5.508 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

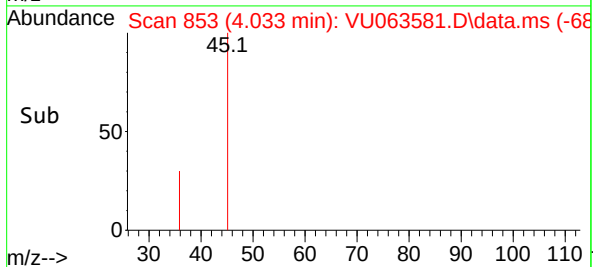
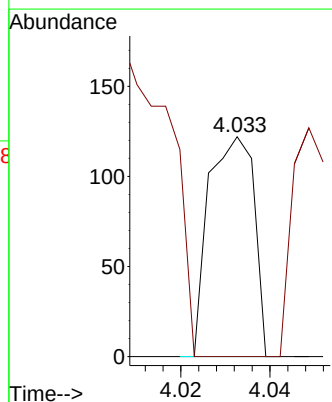
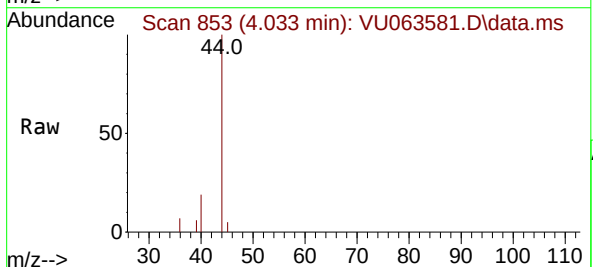
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

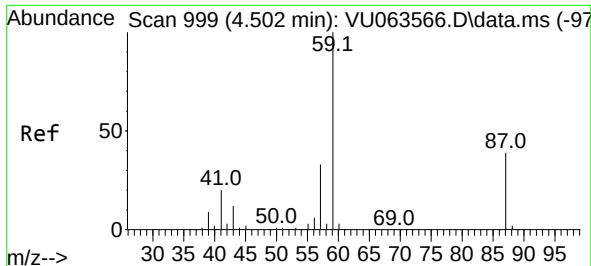
Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.4#
77 27.1 24.6 37.0



#31
Isopropyl Ether
Concen: 0.002 ug/l
RT: 4.033 min Scan# 853
Delta R.T. 0.042 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 45 Resp: 86
Ion Ratio Lower Upper
45 100
43 76.7 26.2 78.6





#32

Ethyl-t-butyl ether

Concen: 0.008 ug/l

RT: 4.492 min Scan# 999

Delta R.T. -0.010 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

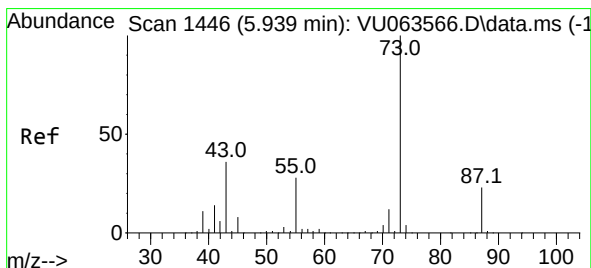
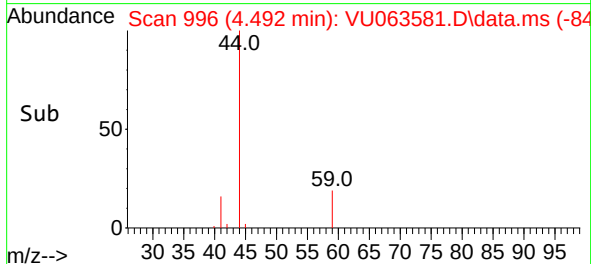
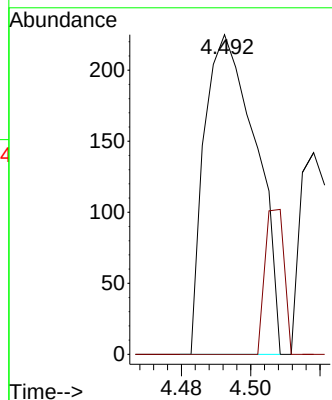
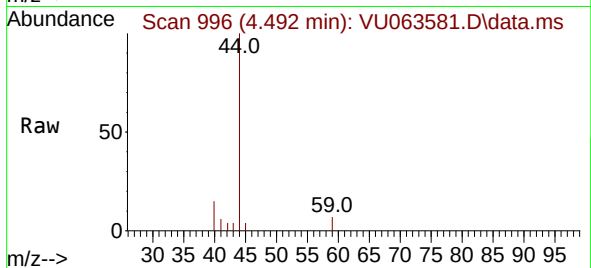
VIBLK

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

87 0.0 31.2 46.8#



#33

Tert-Amyl methyl ether

Concen: 0.002 ug/l

RT: 6.007 min Scan# 1467

Delta R.T. 0.067 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

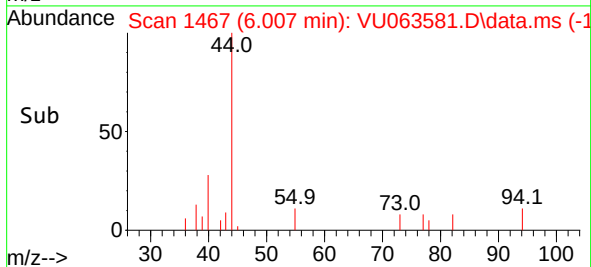
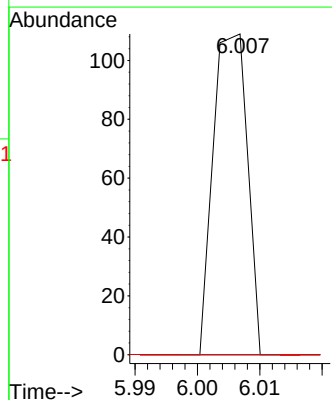
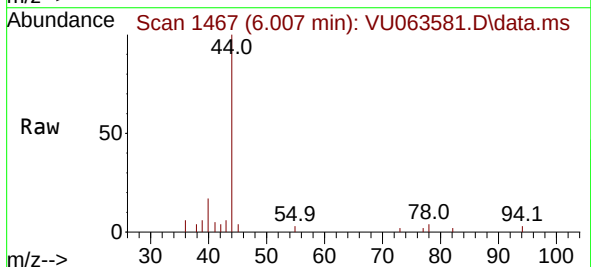
Tgt Ion: 73 Resp: 41

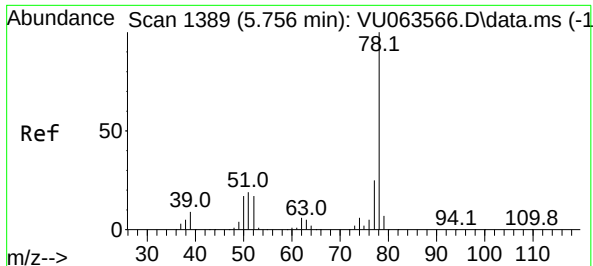
Ion Ratio Lower Upper

73 100

87 0.0 19.0 28.6#

71 0.0 9.4 14.2#

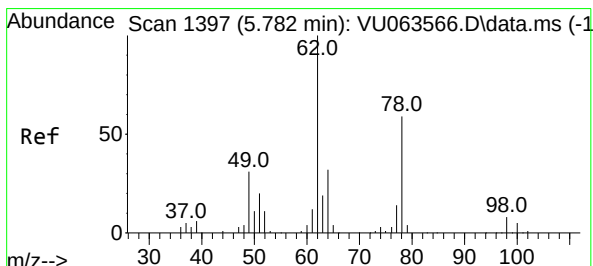
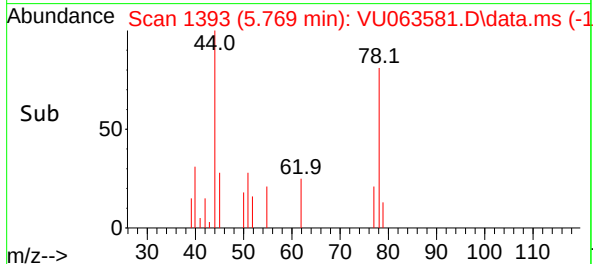
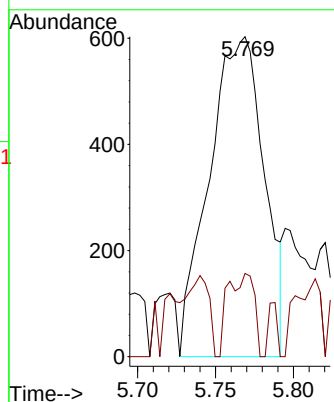
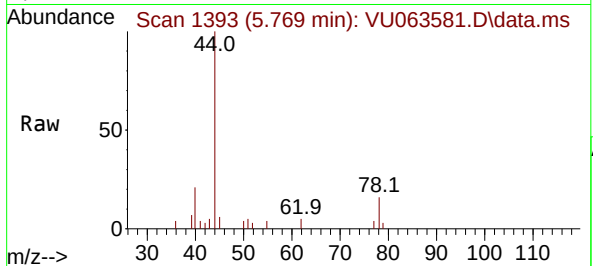




#35
Benzene
Concen: 0.033 ug/l
RT: 5.769 min Scan# 1393
Delta R.T. 0.013 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

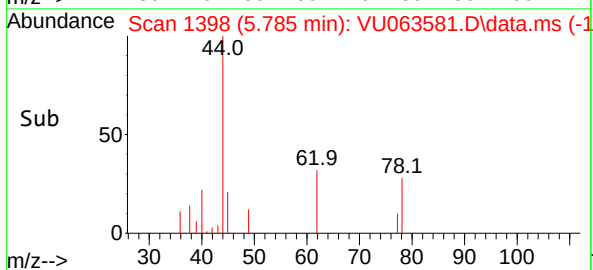
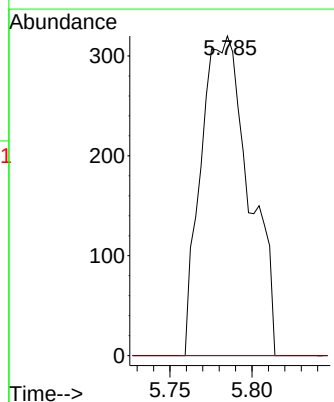
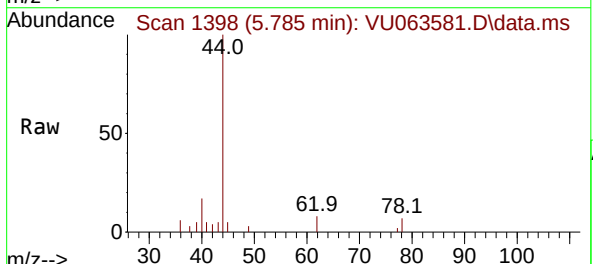
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

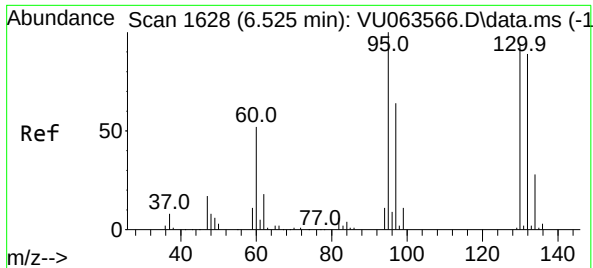
Tgt Ion: 78 Resp: 1484
Ion Ratio Lower Upper
78 100
77 26.0 19.8 29.8



#36
1,2-Dichloroethane
Concen: 0.043 ug/l
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 62 Resp: 649
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#

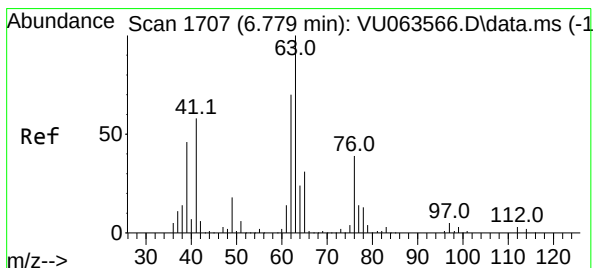
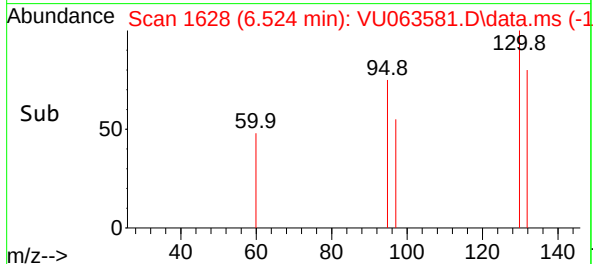
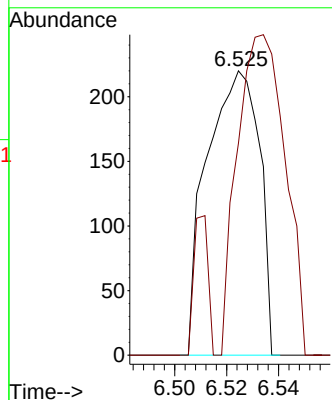
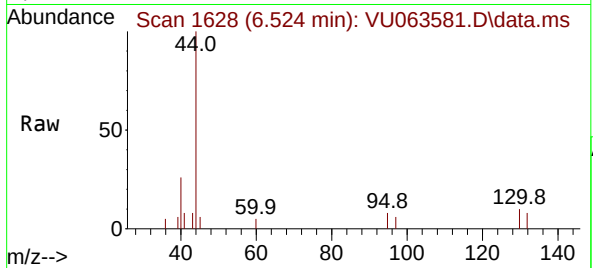




#37
Trichloroethene
Concen: 0.028 ug/l
RT: 6.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

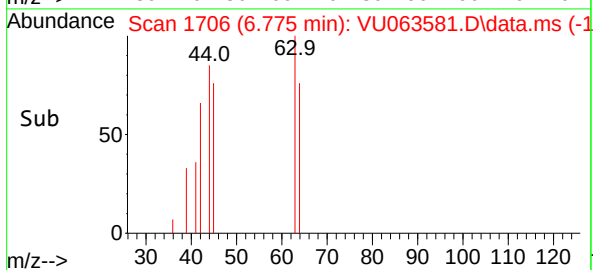
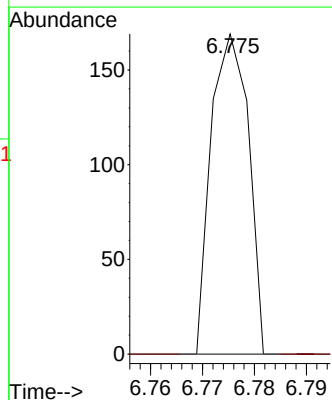
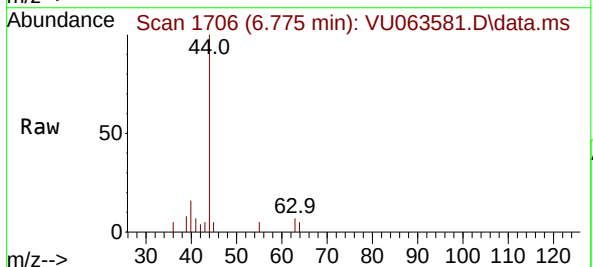
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

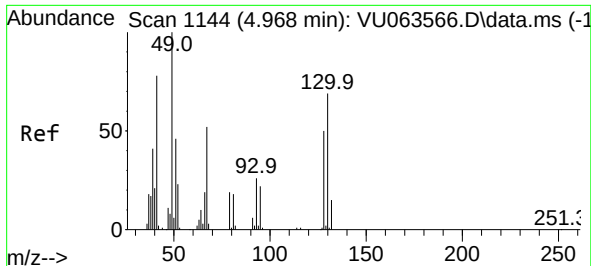
Tgt Ion:130 Resp: 308
Ion Ratio Lower Upper
130 100
95 74.5 85.4 128.2#



#38
1,2-Dichloropropane
Concen: 0.007 ug/l
RT: 6.775 min Scan# 1706
Delta R.T. -0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 63 Resp: 84
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#39

Methacrylonitrile

Concen: 0.036 ug/l

RT: 4.975 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion: 41 Resp: 170

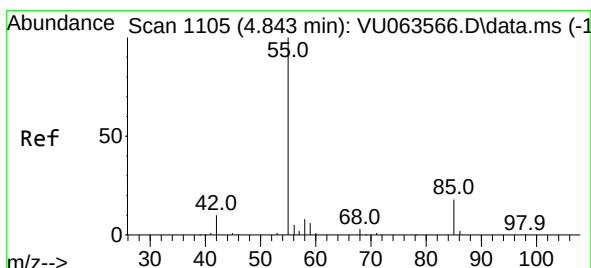
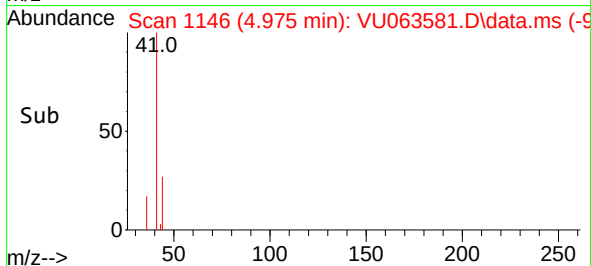
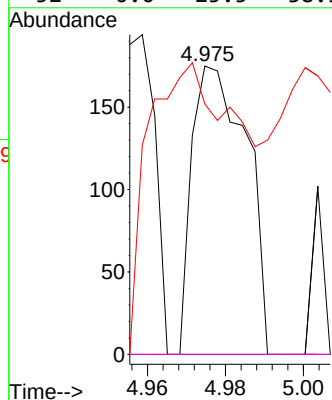
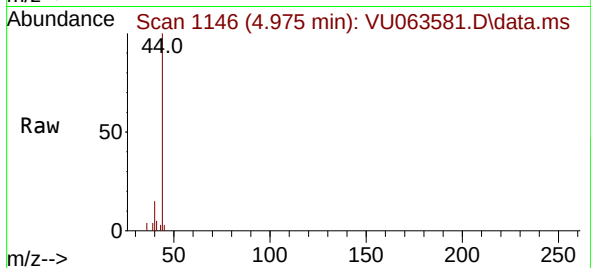
Ion Ratio Lower Upper

41 100

67 0.0 57.7 86.5#

39 169.4 44.6 67.0#

52 0.0 25.5 38.3#



#40

Methyl acrylate

Concen: 0.003 ug/l

RT: 4.824 min Scan# 1099

Delta R.T. -0.019 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Tgt Ion: 55 Resp: 20

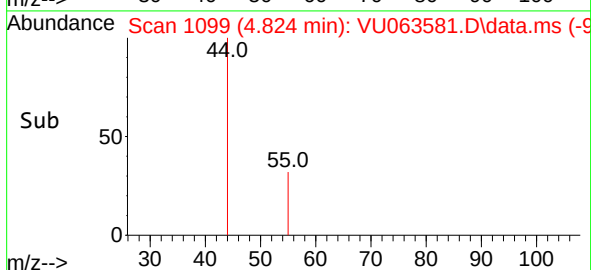
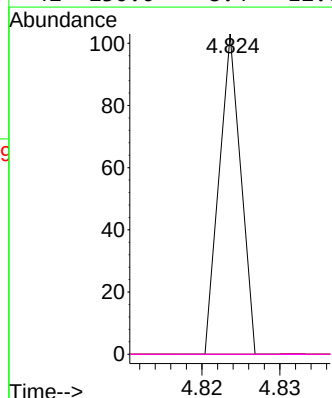
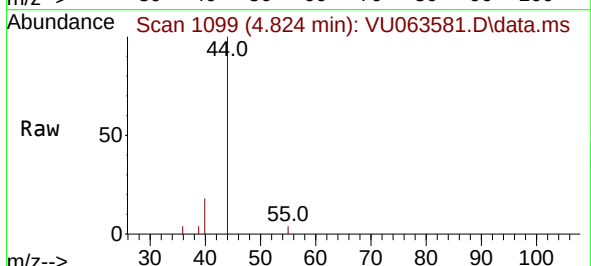
Ion Ratio Lower Upper

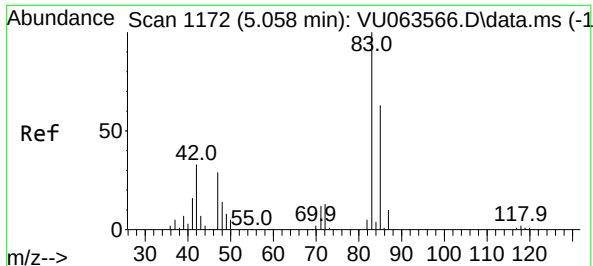
55 100

85 0.0 12.8 19.2#

58 0.0 6.6 10.0#

42 230.0 8.4 12.6#





#41

Tetrahydrofuran

Concen: 0.190 ug/l

RT: 5.058 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

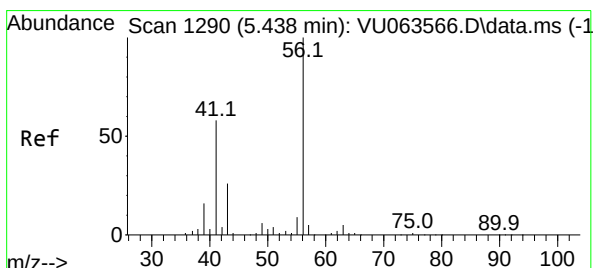
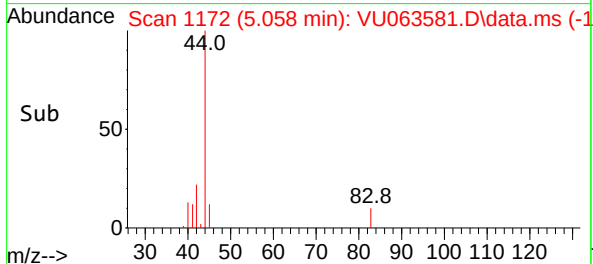
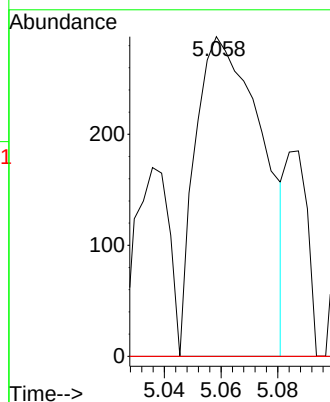
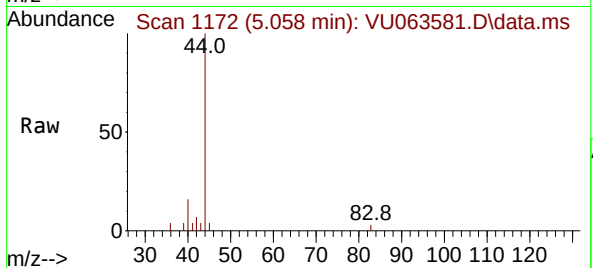
Tgt Ion: 42 Resp: 473

Ion Ratio Lower Upper

42 100

72 0.0 34.1 51.1#

71 0.0 29.9 44.9#



#42

1-Chlorobutane

Concen: 0.002 ug/l

RT: 5.444 min Scan# 1292

Delta R.T. 0.006 min

Lab File: VU063581.D

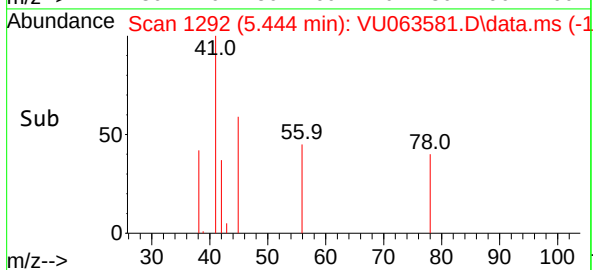
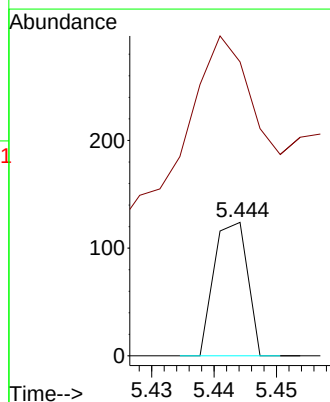
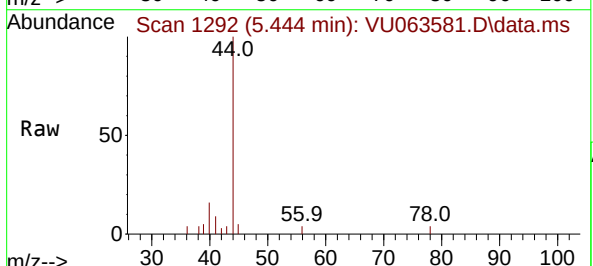
Acq: 15 Sep 2025 16:14

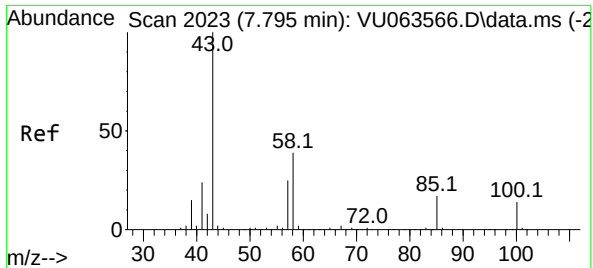
Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

56 100

41 387.0 28.3 84.9#





#45

4-Methyl-2-Pentanone

Concen: 0.063 ug/l

RT: 7.798 min Scan# 20

Delta R.T. 0.003 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

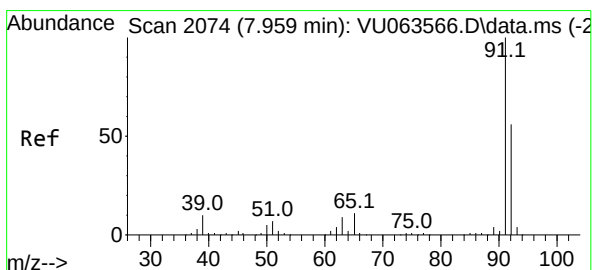
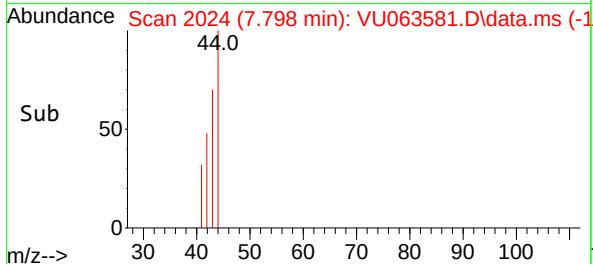
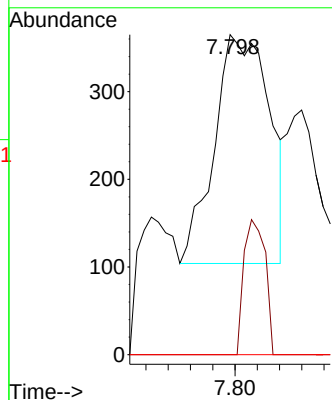
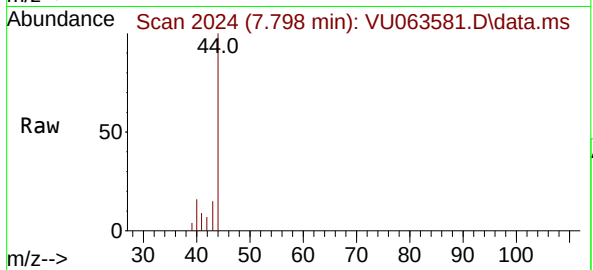
Tgt Ion: 43 Resp: 448

Ion Ratio Lower Upper

43 100

58 22.8 18.9 56.9

85 0.0 13.3 19.9#



#49

Toluene

Concen: 0.013 ug/l

RT: 7.965 min Scan# 2076

Delta R.T. 0.006 min

Lab File: VU063581.D

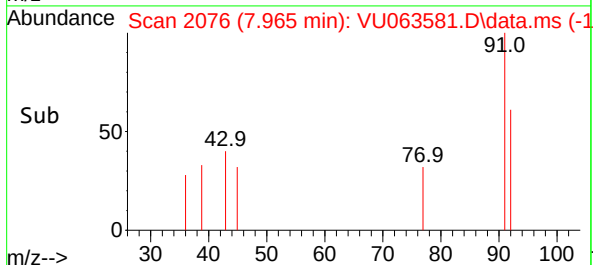
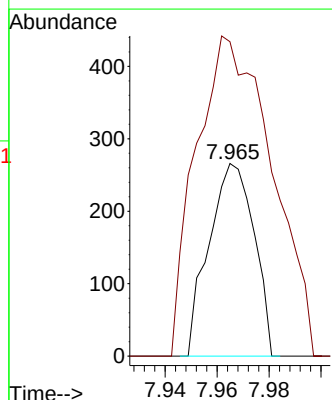
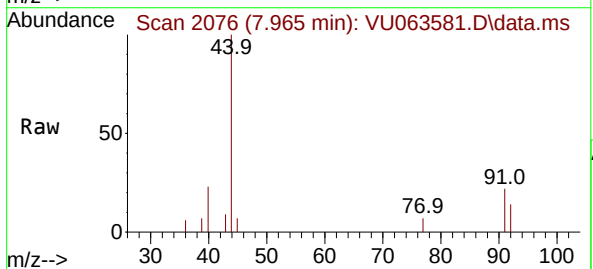
Acq: 15 Sep 2025 16:14

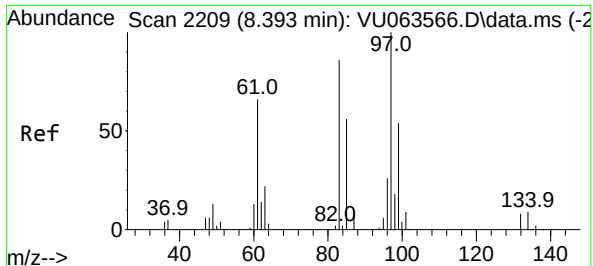
Tgt Ion: 92 Resp: 321

Ion Ratio Lower Upper

92 100

91 278.8 139.4 209.2#

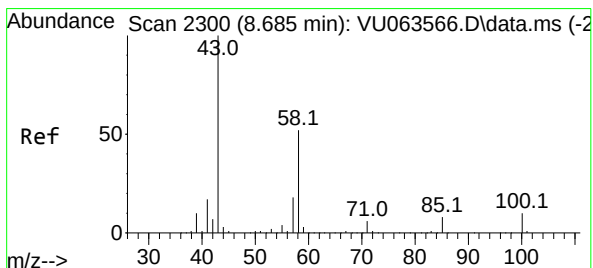
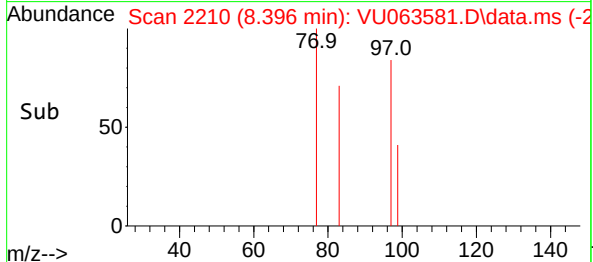
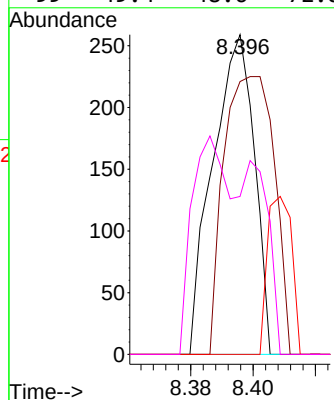
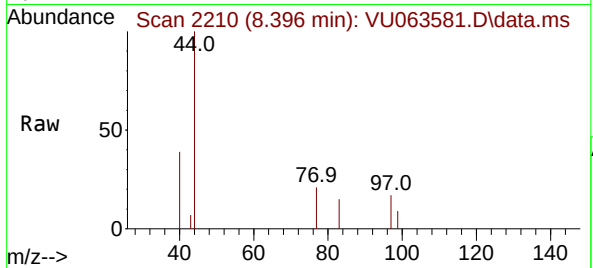




#52
1,1,2-Trichloroethane
Concen: 0.030 ug/l
RT: 8.396 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

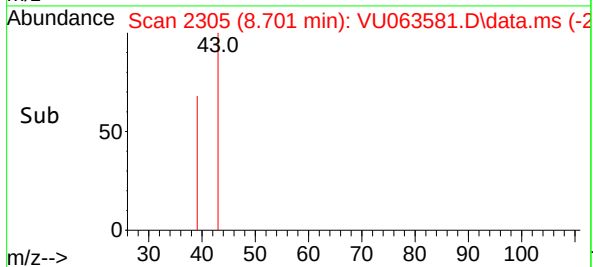
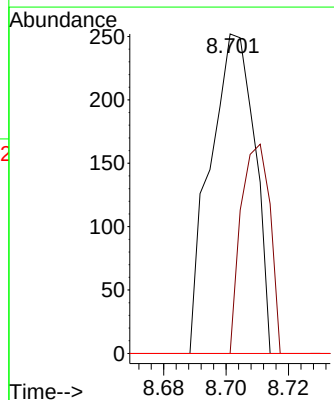
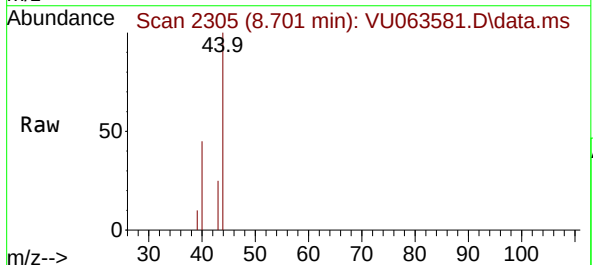
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

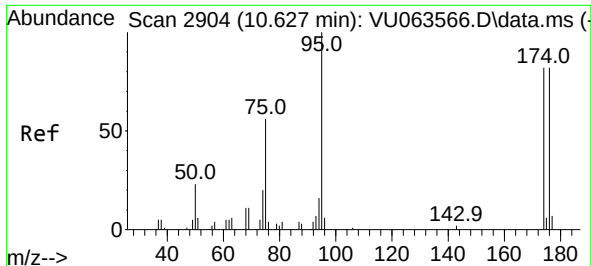
Tgt Ion: 97	Resp: 240
Ion Ratio	Lower Upper
97 100	
83 85.3	68.5 102.7
85 0.0	45.0 67.6#
99 49.4	48.6 72.8



#54
2-Hexanone
Concen: 0.048 ug/l
RT: 8.701 min Scan# 2305
Delta R.T. 0.016 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 43	Resp: 250		
Ion Ratio	Lower	Upper	
43 100			
58 42.8	32.7	72.7	
57 0.0	0.0	38.2	

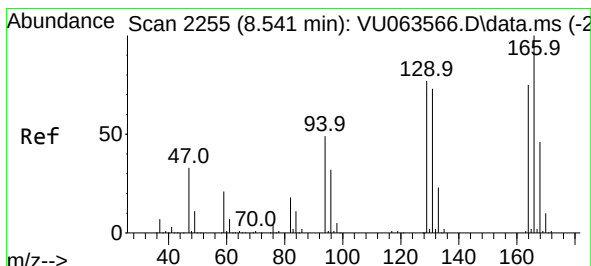
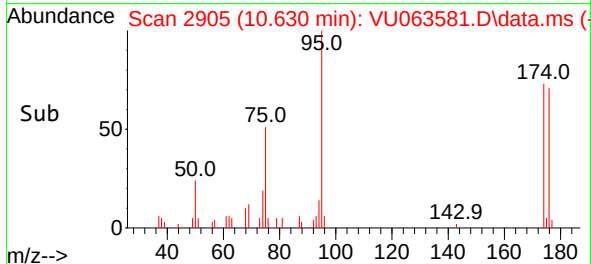
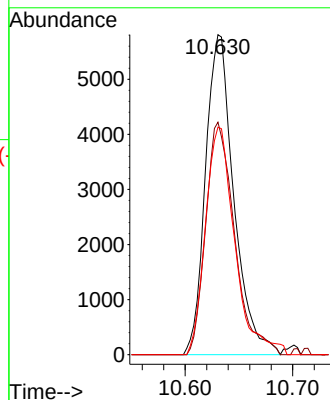
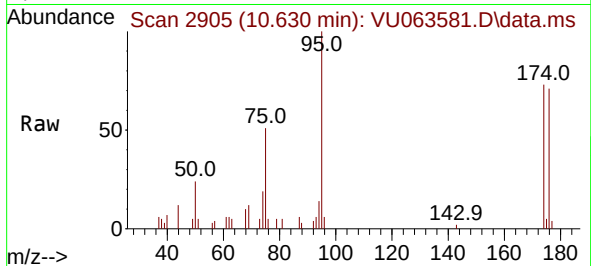




#57
4-Bromofluorobenzene
Concen: 0.837 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

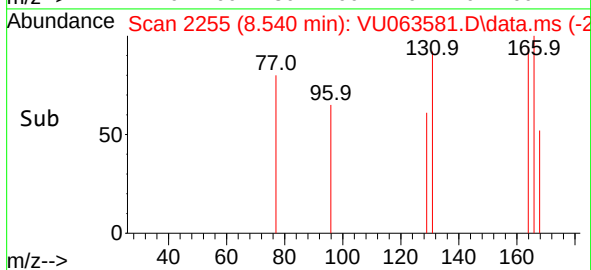
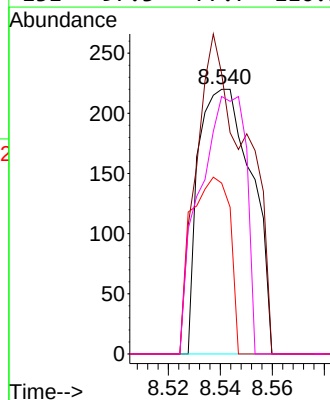
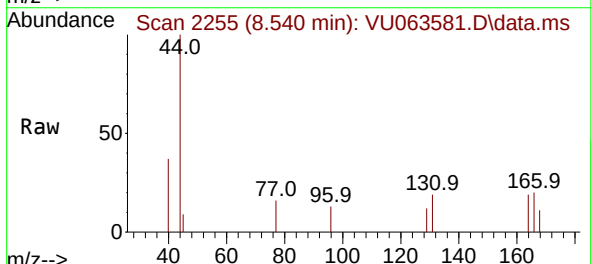
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

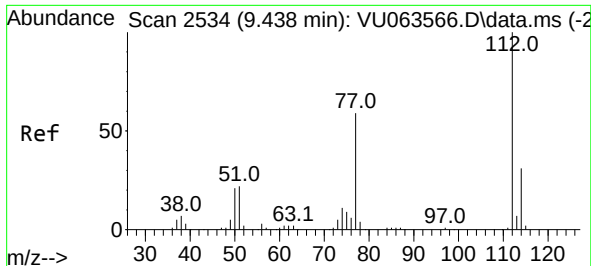
Tgt Ion: 95 Resp: 10627
Ion Ratio Lower Upper
95 100
174 74.2 64.7 97.1
176 73.9 66.2 99.4



#58
Tetrachloroethene
Concen: 0.029 ug/l
RT: 8.540 min Scan# 2255
Delta R.T. -0.000 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 164 Resp: 312
Ion Ratio Lower Upper
164 100
166 105.9 106.4 159.6#
129 64.5 81.4 122.2#
131 97.3 77.7 116.5

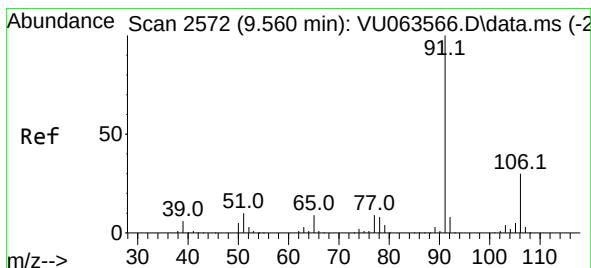
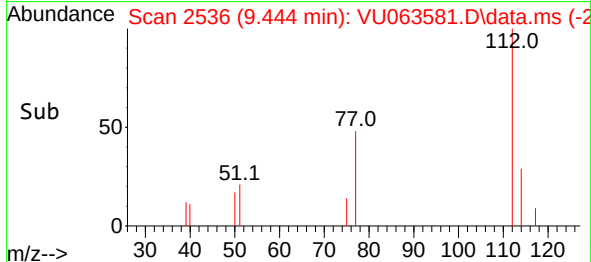
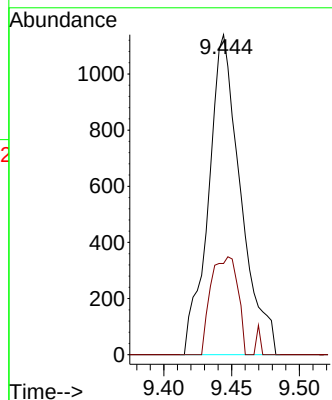
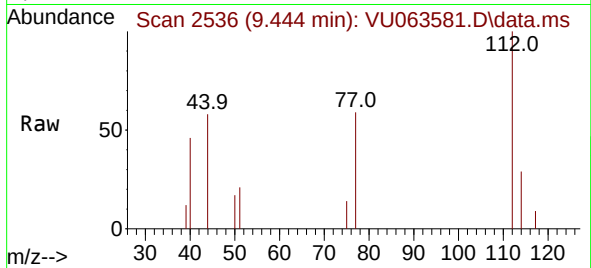




#59
Chlorobenzene
Concen: 0.067 ug/l
RT: 9.444 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

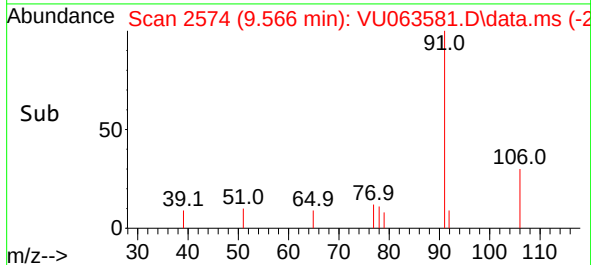
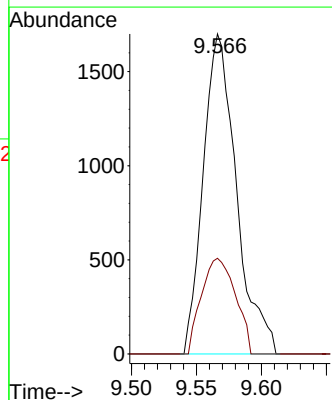
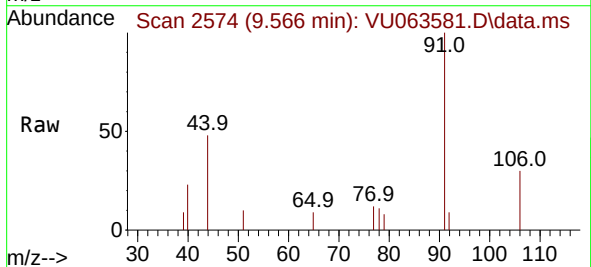
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

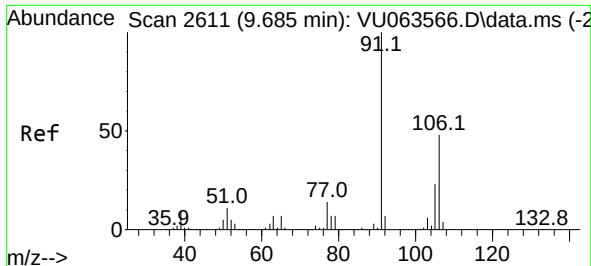
Tgt Ion:112 Resp: 1881
Ion Ratio Lower Upper
112 100
114 28.5 25.0 37.4



#63
Ethyl Benzene
Concen: 0.063 ug/l
RT: 9.566 min Scan# 2574
Delta R.T. 0.006 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 91 Resp: 3018
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8

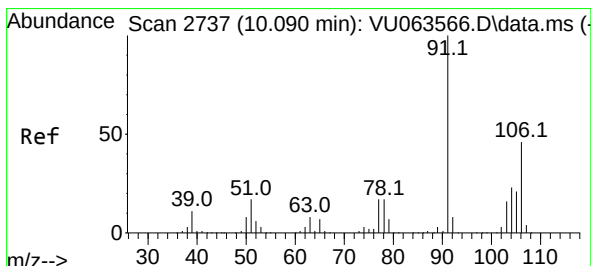
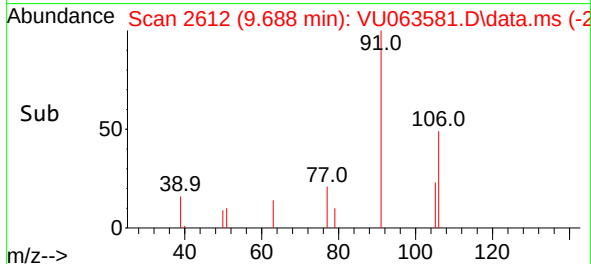
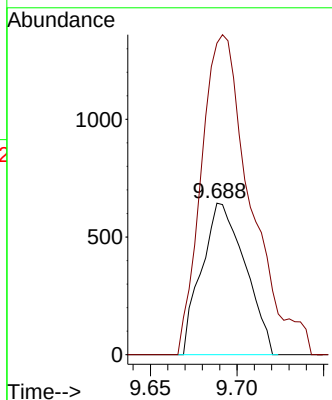
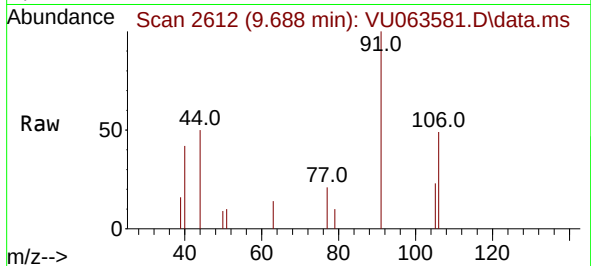




#64
m/p-Xylenes
Concen: 0.061 ug/l
RT: 9.688 min Scan# 2611
Delta R.T. 0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

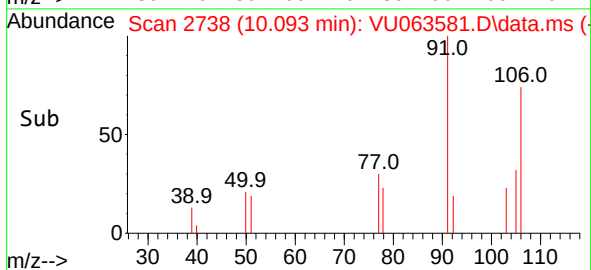
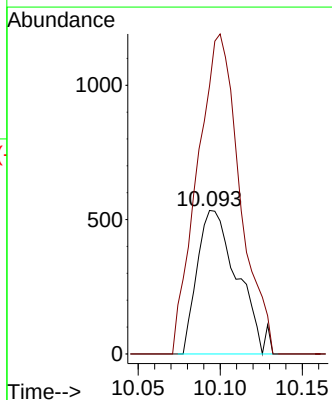
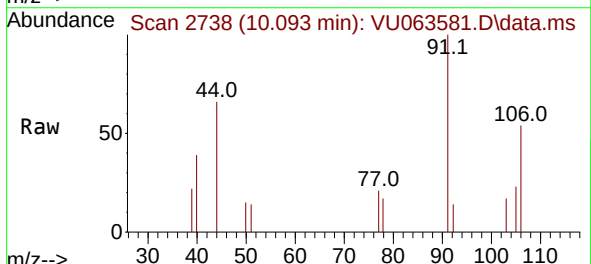
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

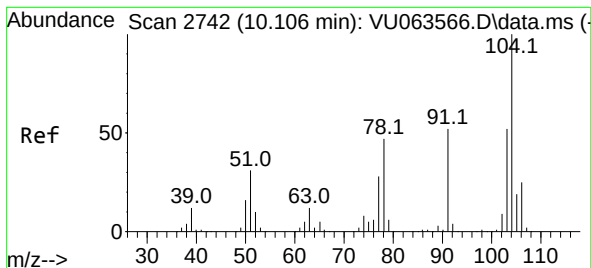
Tgt Ion:106 Resp: 1123
Ion Ratio Lower Upper
106 100
91 240.5 167.0 250.4



#65
o-Xylene
Concen: 0.050 ug/l
RT: 10.093 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion:106 Resp: 908
Ion Ratio Lower Upper
106 100
91 236.1 108.7 326.1





#66

Styrene

Concen: 0.028 ug/l

RT: 10.122 min Scan# 21

Delta R.T. 0.016 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

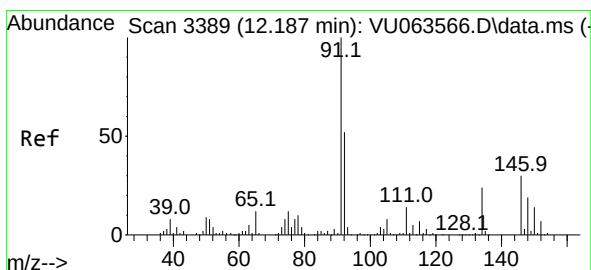
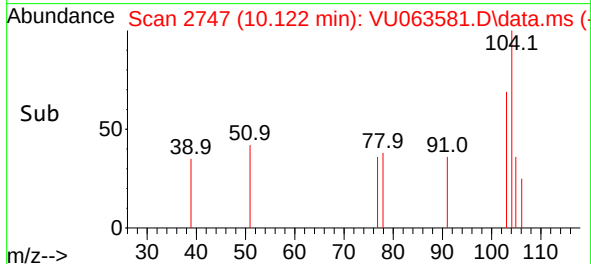
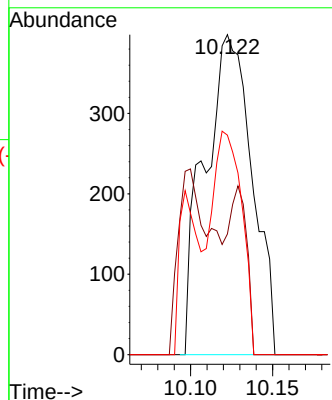
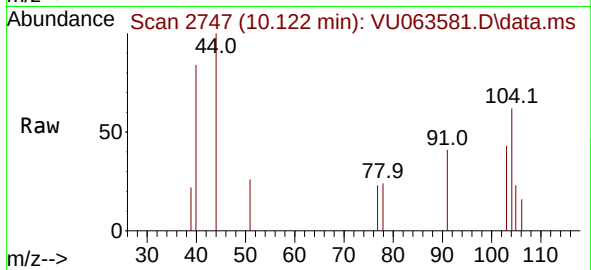
Tgt Ion:104 Resp: 805

Ion Ratio Lower Upper

104 100

78 20.5 41.2 61.8#

103 44.7 44.2 66.2



#68

1,2-Dichlorobenzene-d4

Concen: 0.822 ug/l

RT: 12.190 min Scan# 3390

Delta R.T. 0.003 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

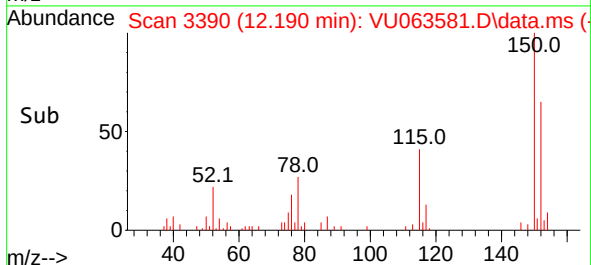
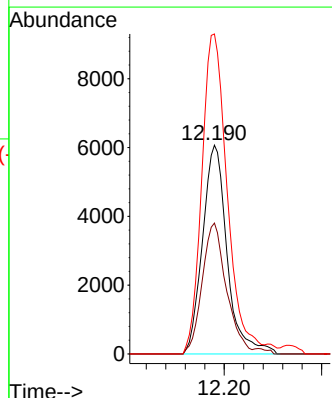
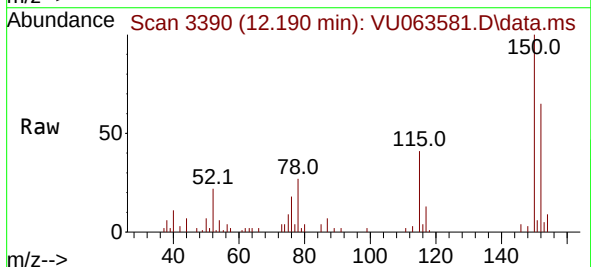
Tgt Ion:152 Resp: 10635

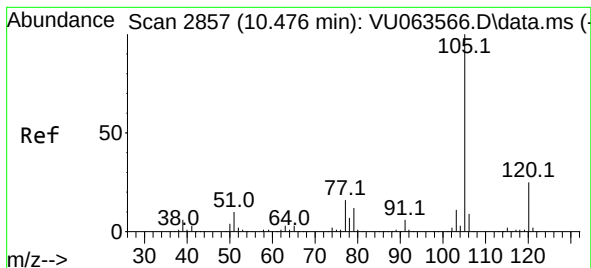
Ion Ratio Lower Upper

152 100

115 61.7 0.0 260.6

150 158.3 0.0 661.8





#69

Isopropylbenzene

Concen: 0.011 ug/l

RT: 10.476 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

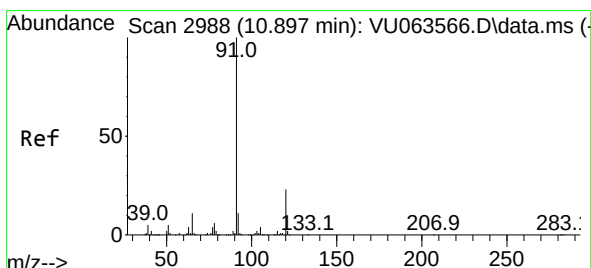
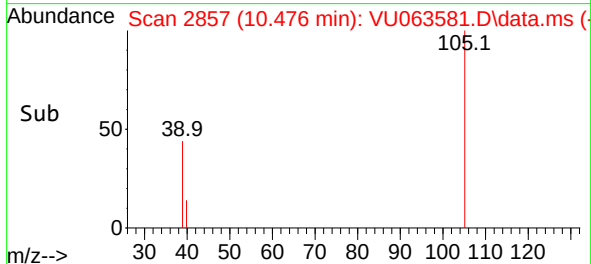
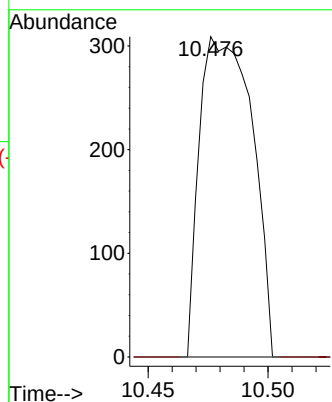
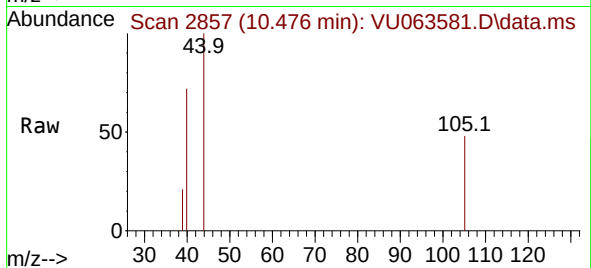
VIBLK

Tgt Ion:105 Resp: 471

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



#73

n-propylbenzene

Concen: 0.022 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.183 min

Lab File: VU063581.D

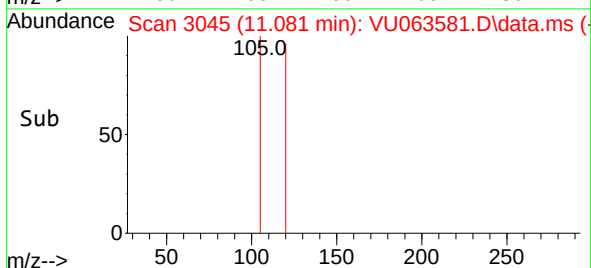
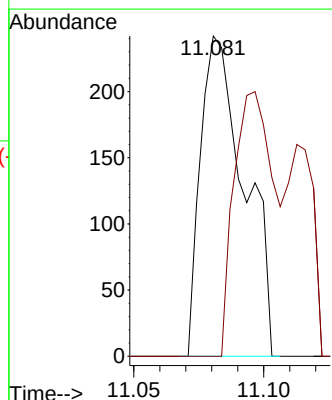
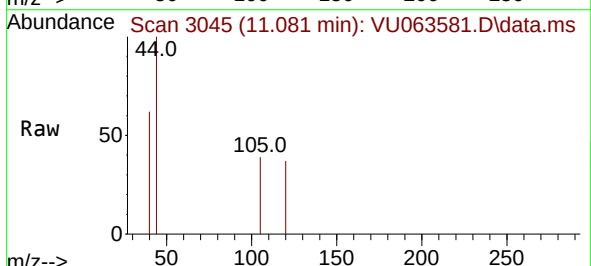
Acq: 15 Sep 2025 16:14

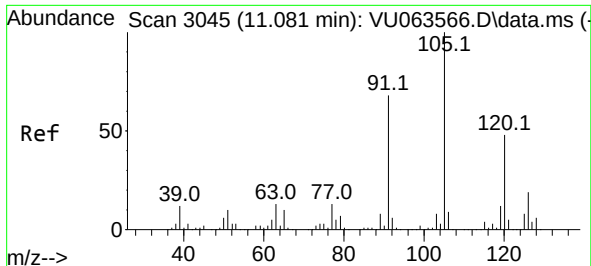
Tgt Ion:120 Resp: 284

Ion Ratio Lower Upper

120 100

91 73.9 349.1 523.7#

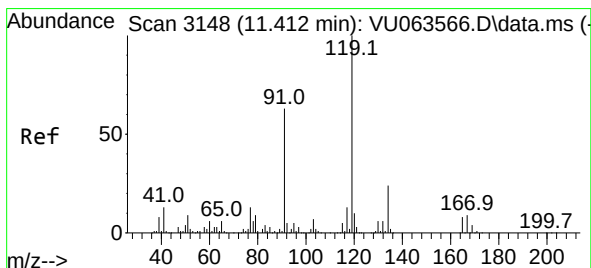
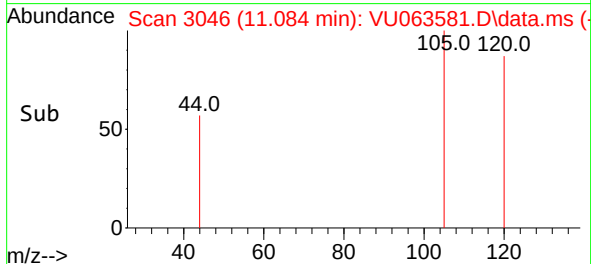
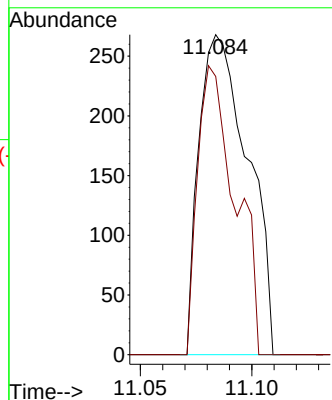
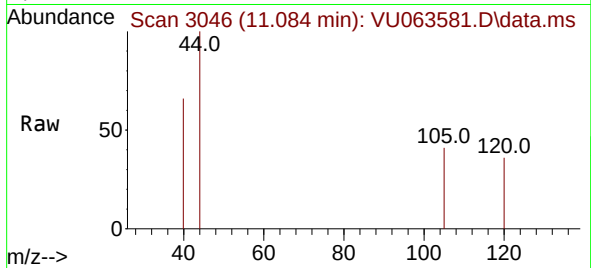




#75
1,3,5-Trimethylbenzene
Concen: 0.010 ug/l
RT: 11.084 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

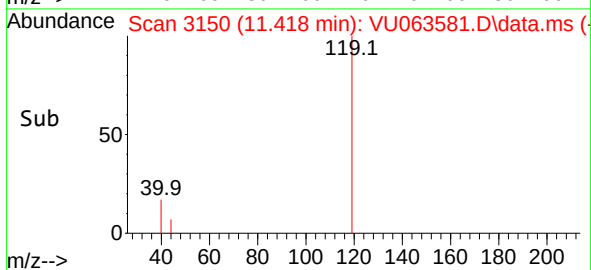
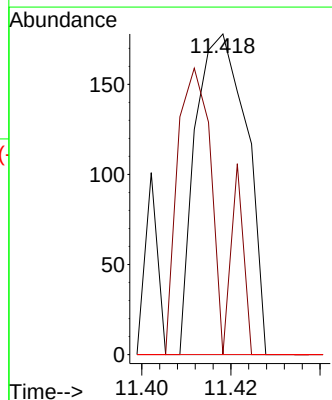
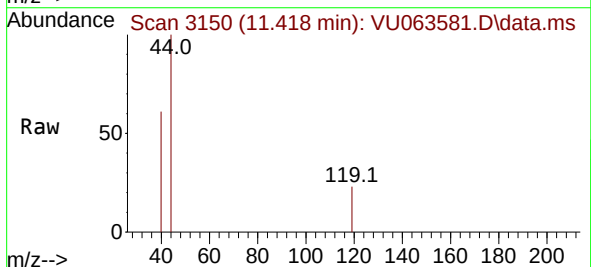
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

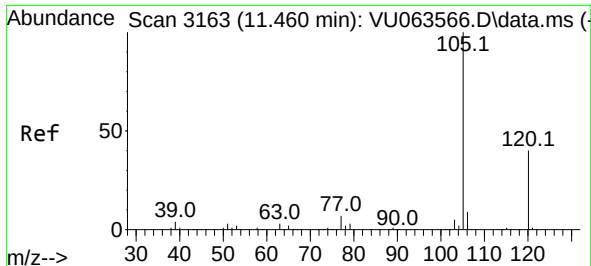
Tgt Ion:105 Resp: 408
Ion Ratio Lower Upper
105 100
120 69.6 38.0 57.0#



#77
tert-Butylbenzene
Concen: 0.004 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.006 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion:119 Resp: 142
Ion Ratio Lower Upper
119 100
91 71.1 31.0 93.0
134 0.0 19.0 28.6#





#78

1,2,4-Trimethylbenzene

Concen: 0.019 ug/l

RT: 11.466 min Scan# 3165

Delta R.T. 0.006 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

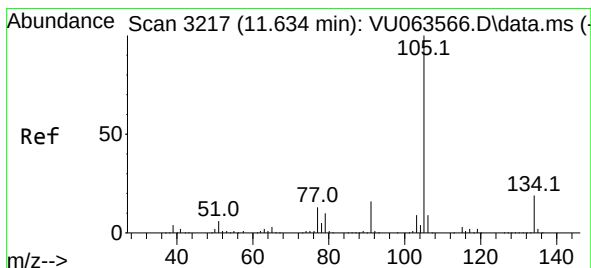
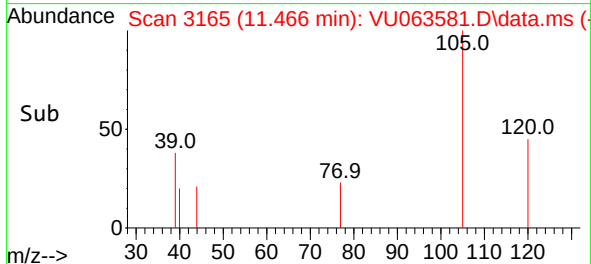
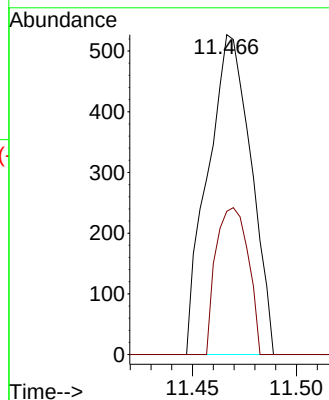
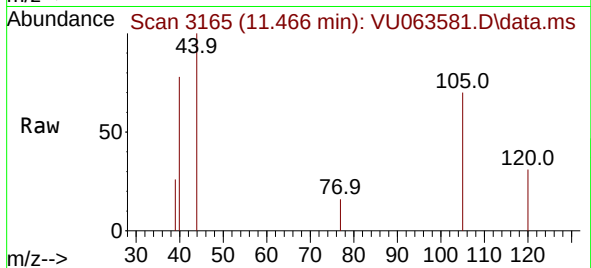
VIBLK

Tgt Ion:105 Resp: 761

Ion Ratio Lower Upper

105 100

120 34.3 22.4 67.3



#79

sec-Butylbenzene

Concen: 0.011 ug/l

RT: 11.637 min Scan# 3218

Delta R.T. 0.003 min

Lab File: VU063581.D

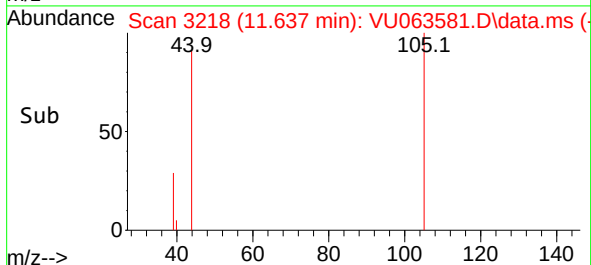
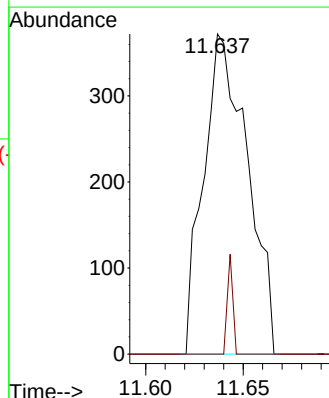
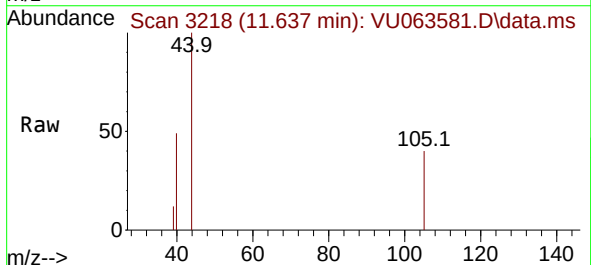
Acq: 15 Sep 2025 16:14

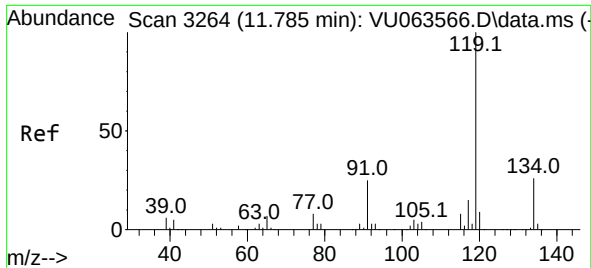
Tgt Ion:105 Resp: 581

Ion Ratio Lower Upper

105 100

134 3.8 15.6 23.4#

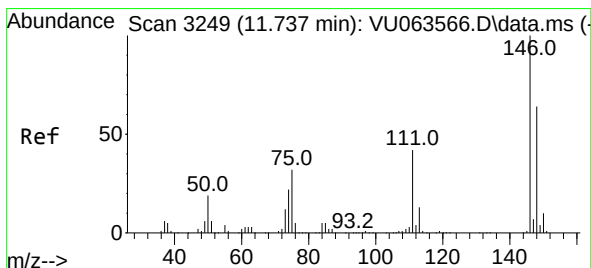
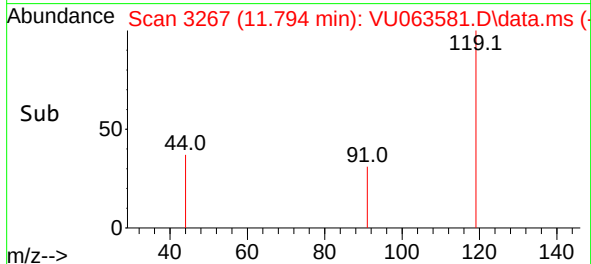
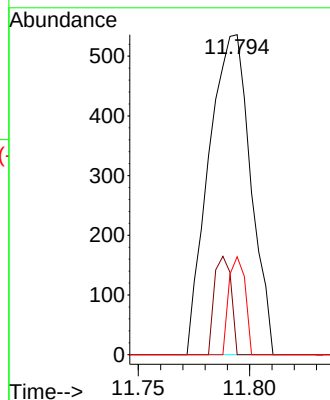
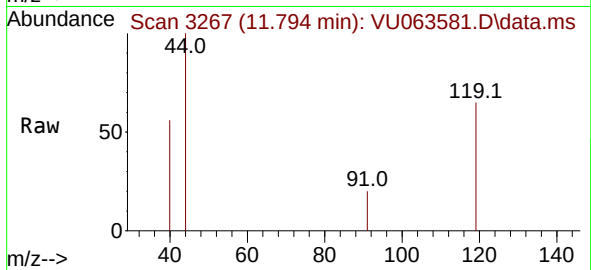




#81
p-Isopropyltoluene
Concen: 0.016 ug/l
RT: 11.794 min Scan# 3267
Delta R.T. 0.010 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

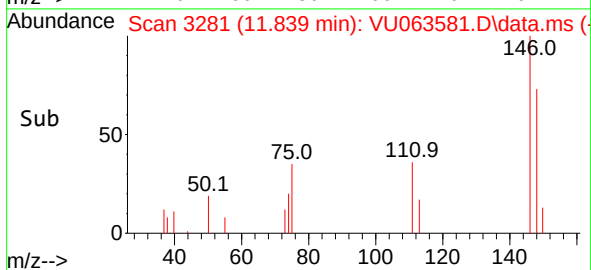
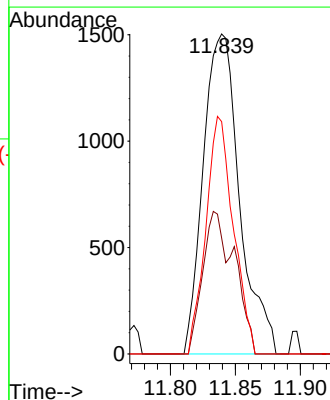
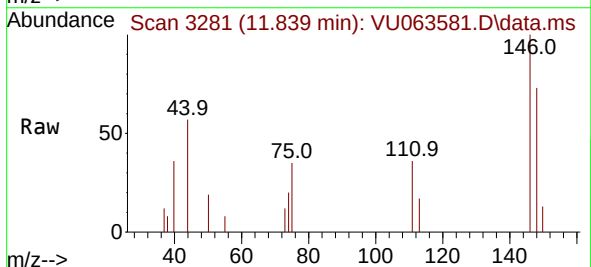
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

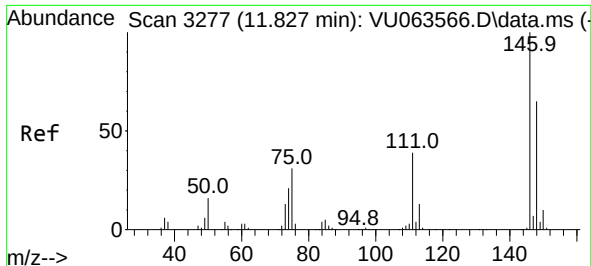
Tgt Ion:119 Resp: 701
Ion Ratio Lower Upper
119 100
134 12.3 20.6 30.8#
91 11.8 19.8 29.6#



#82
1,3-Dichlorobenzene
Concen: 0.126 ug/l
RT: 11.839 min Scan# 3281
Delta R.T. 0.103 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion:146 Resp: 2927
Ion Ratio Lower Upper
146 100
111 39.0 32.7 49.1
148 56.1 50.4 75.6

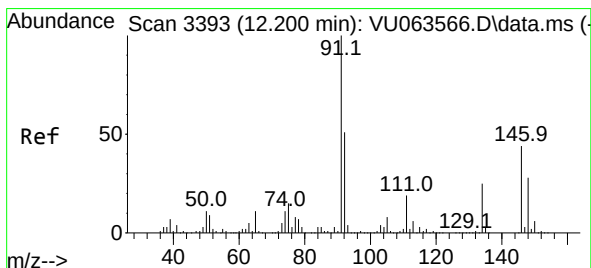
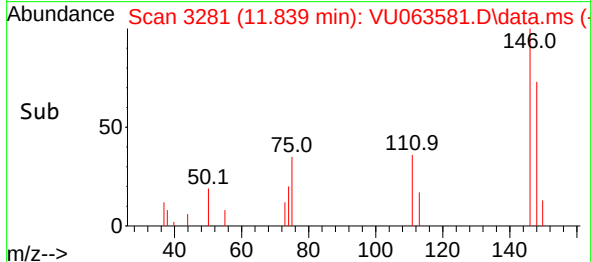
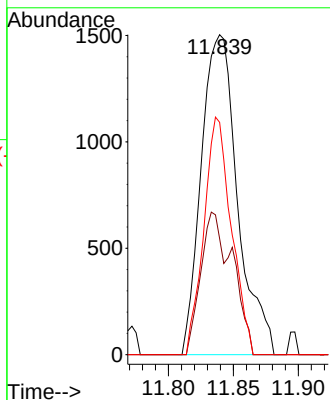
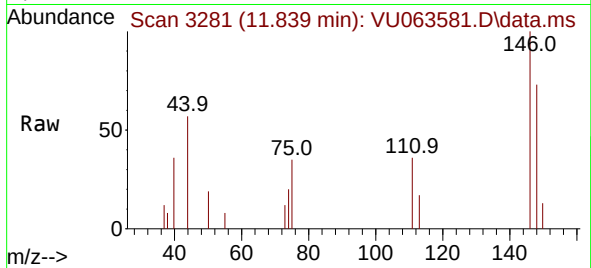




#83
1,4-Dichlorobenzene
Concen: 0.123 ug/l
RT: 11.839 min Scan# 31
Delta R.T. 0.013 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

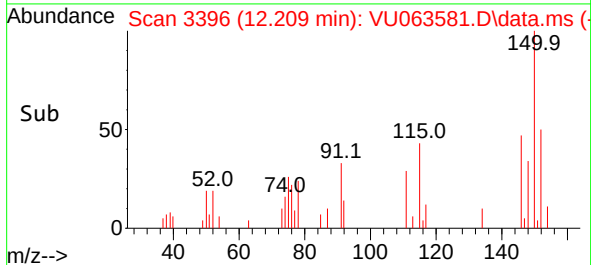
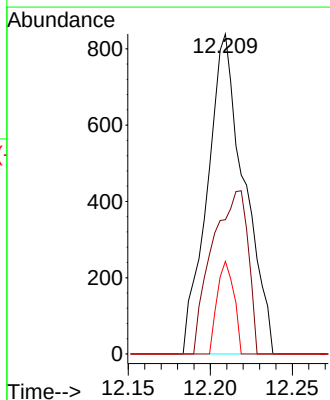
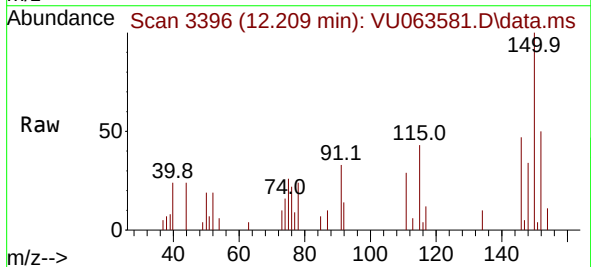
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

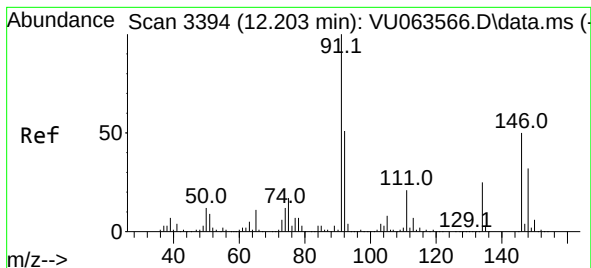
Tgt Ion:146 Resp: 2927
Ion Ratio Lower Upper
146 100
111 39.0 31.6 47.4
148 56.1 51.8 77.8



#84
n-Butylbenzene
Concen: 0.032 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.010 min
Lab File: VU063581.D
Acq: 15 Sep 2025 16:14

Tgt Ion: 91 Resp: 1310
Ion Ratio Lower Upper
91 100
92 49.4 41.3 61.9
134 13.1 19.9 29.9#





#85

1,2-Dichlorobenzene

Concen: 0.110 ug/l

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

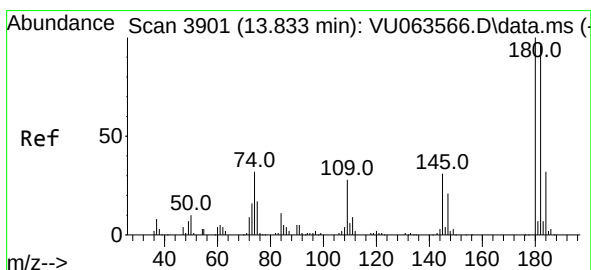
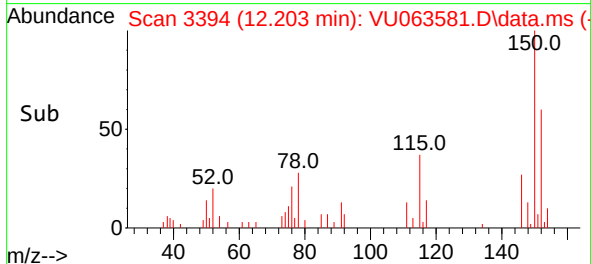
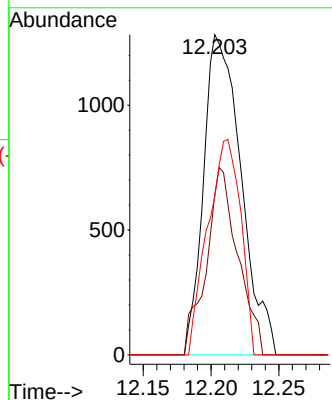
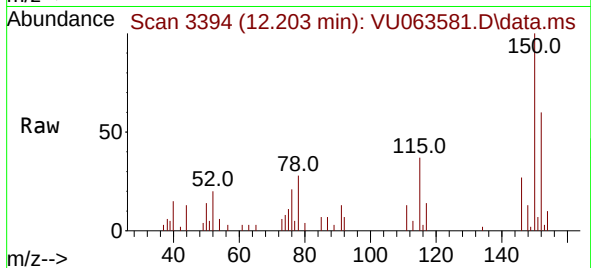
Tgt Ion:146 Resp: 2469

Ion Ratio Lower Upper

146 100

111 49.5 21.0 63.0

148 59.2 31.8 95.3



#87

1,2,4-Trichlorobenzene

Concen: 1.311 ug/l

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

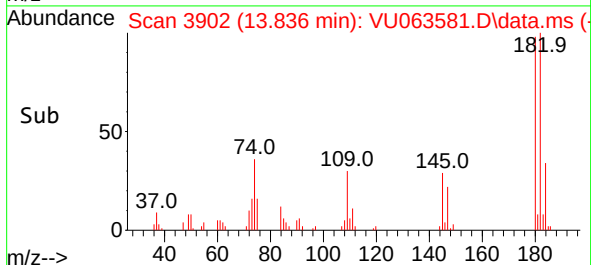
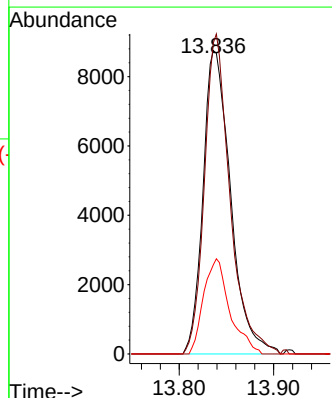
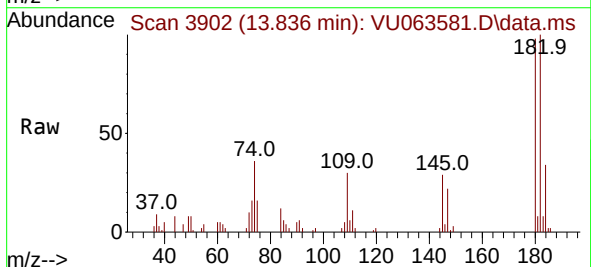
Tgt Ion:180 Resp: 17776

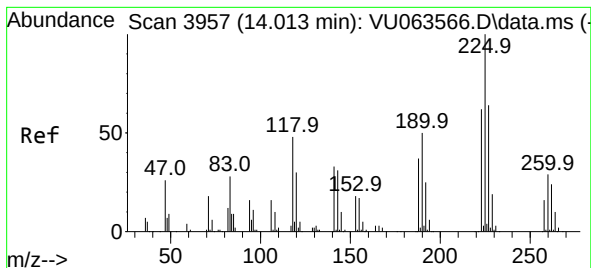
Ion Ratio Lower Upper

180 100

182 97.7 77.1 115.7

145 29.7 25.0 37.4





#88

Hexachlorobutadiene

Concen: 0.006 ug/l

RT: 14.010 min Scan# 3956

Delta R.T. -0.003 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

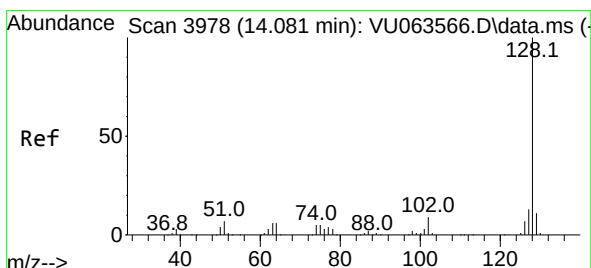
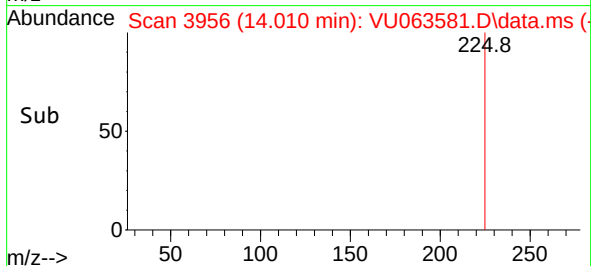
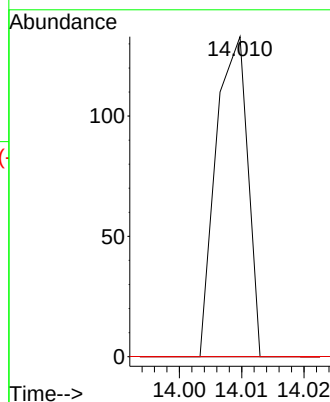
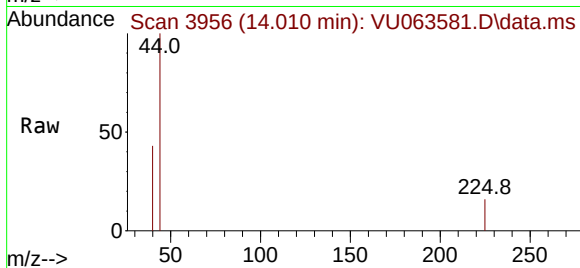
Tgt Ion:225 Resp: 47

Ion Ratio Lower Upper

225 100

223 0.0 50.2 75.2#

227 0.0 51.6 77.4#



#89

Naphthalene

Concen: 0.107 ug/l

RT: 14.103 min Scan# 3985

Delta R.T. 0.022 min

Lab File: VU063581.D

Acq: 15 Sep 2025 16:14

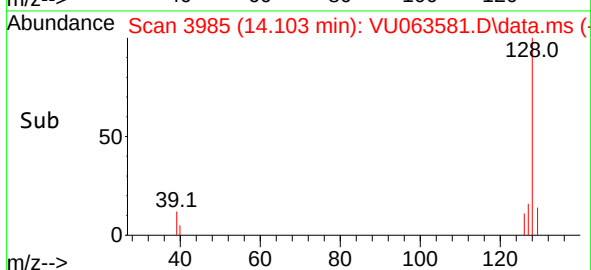
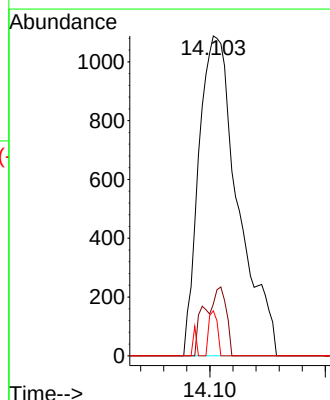
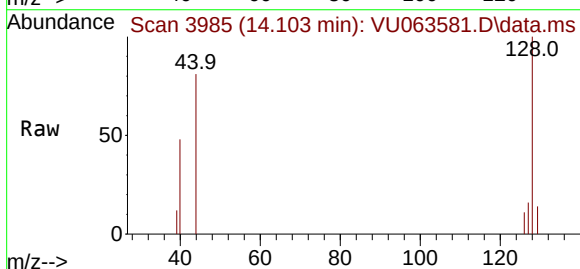
Tgt Ion:128 Resp: 2560

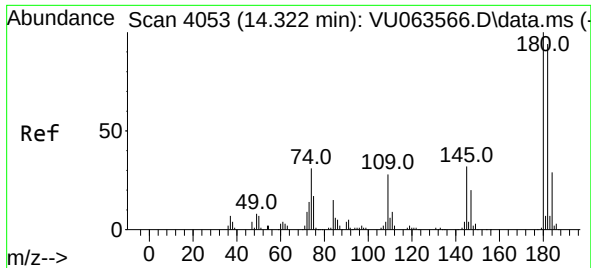
Ion Ratio Lower Upper

128 100

127 7.1 10.2 15.4#

129 3.1 8.6 13.0#





#90

1,2,3-Trichlorobenzene

Concen: 0.057 ug/l

RT: 14.334 min Scan# 4057

Delta R.T. 0.013 min

Lab File: VU063581.D

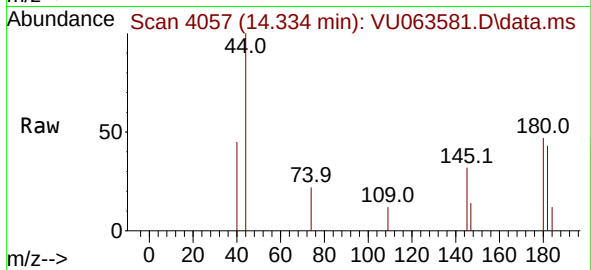
Acq: 15 Sep 2025 16:14

Instrument :

MSVOA_U

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 727

Ion Ratio Lower Upper

180 100

182 104.1 76.8 115.2

145 41.0 26.6 40.0#

