

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063583.D
 Acq On : 15 Sep 2025 17:15
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Sep 16 04:58:49 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	6.100	96	30624	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	10266	0.900	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10933	0.940	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	948	0.096	ug/l	93
5) Bromomethane	1.843	94	773	0.117	ug/l	86
6) Chloroethane	1.776	64	20	0.003	ug/l	# 1
7) Trichlorofluoromethane	2.123	101	362	0.023	ug/l	100
9) 1,1-Dichloroethene	2.567	96	76	0.010	ug/l	26
10) Iodomethane	2.715	142	877	0.076	ug/l	# 78
11) Allyl Chloride	2.917	41	84	0.006	ug/l	85
12) Acrylonitrile	3.313	53	20	0.008	ug/l	# 18
13) Acetone	2.618	43	658	0.192	ug/l	# 80
14) Carbon Disulfide	2.779	76	161	0.010	ug/l	# 1
16) trans-1,2-Dichloroethene	3.338	96	82	0.010	ug/l	# 1
17) 1,1-Dichloroethane	3.850	63	220	0.011	ug/l	# 85
18) 2-Butanone	4.708	43	175	0.045	ug/l	78
19) Cyclohexane	5.370	56	68	0.004	ug/l	# 22
20) Methylcyclohexane	6.747	83	20	0.001	ug/l	# 68
21) 2,2-Dichloropropane	4.673	77	20	0.001	ug/l	# 54
25) Methyl tert-Butyl Ether	3.354	73	182	0.008	ug/l	# 65
26) Bromochloromethane	4.968	128	19	0.005	ug/l	# 51
27) Chloroform	5.071	83	235	0.012	ug/l	92
29) 1,1-Dichloropropene	5.515	75	247	0.018	ug/l	# 56
31) Isopropyl Ether	3.988	45	160	0.005	ug/l	72
33) Tert-Amyl methyl ether	6.103	73	420	0.018	ug/l	# 49
35) Benzene	5.763	78	272	0.007	ug/l	# 59
36) 1,2-Dichloroethane	5.788	62	47	0.003	ug/l	# 78
37) Trichloroethene	6.525	130	187	0.019	ug/l	# 60
39) Methacrylonitrile	4.962	41	105	0.024	ug/l	# 1
40) Methyl acrylate	4.849	55	19	0.003	ug/l	# 1
41) Tetrahydrofuran	5.052	42	352	0.157	ug/l	# 53
42) 1-Chlorobutane	5.441	56	20	0.001	ug/l	# 1
43) Dibromomethane	6.904	93	181	0.036	ug/l	# 47
45) 4-Methyl-2-Pentanone	7.801	43	836	0.131	ug/l	# 44
49) Toluene	7.955	92	19	0.001	ug/l	# 1
50) t-1,3-Dichloropropene	8.206	75	211	0.026	ug/l	# 5
51) cis-1,3-Dichloropropene	7.599	75	366	0.034	ug/l	# 66
53) 1,3-Dichloropropane	8.579	76	82	0.007	ug/l	# 1
54) 2-Hexanone	8.672	43	66	0.014	ug/l	# 34
59) Chlorobenzene	9.451	112	482	0.019	ug/l	# 43
60) 1,1,1,2-Tetrachloroethane	9.518	131	93	0.011	ug/l	# 1
61) Pentachloroethane	11.647	117	157	0.027	ug/l	# 10
63) Ethyl Benzene	9.570	91	795	0.019	ug/l	92
64) m/p-Xylenes	9.685	106	244	0.015	ug/l	# 16
65) o-Xylene	10.100	106	198	0.012	ug/l	61
66) Styrene	10.126	104	310	0.012	ug/l	# 34

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091525\
 Data File : VU063583.D
 Acq On : 15 Sep 2025 17:15
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

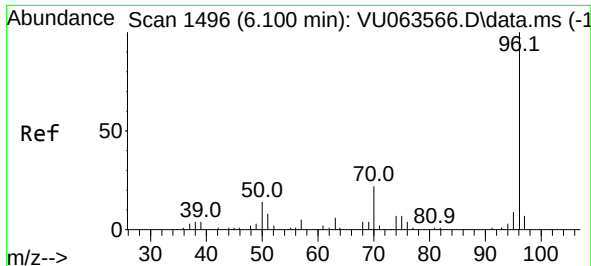
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Sep 16 04:58:49 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)

69) Isopropylbenzene	10.476	105	1628	0.041	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.775	83	872	0.095	ug/l #	89
71) 1,2,3-Trichloropropane	10.817	75	727	0.107	ug/l #	70
72) Bromobenzene	10.779	156	452	0.044	ug/l	49
73) n-propylbenzene	10.907	120	2080	0.180	ug/l	94
74) 2-Chlorotoluene	11.094	126	505	0.048	ug/l	1
75) 1,3,5-Trimethylbenzene	11.090	105	1326	0.035	ug/l	92
76) 4-Chlorotoluene	11.094	126	505	0.046	ug/l	22
77) tert-Butylbenzene	11.412	119	1074	0.030	ug/l	85
78) 1,2,4-Trimethylbenzene	11.463	105	1658	0.046	ug/l	95
79) sec-Butylbenzene	11.640	105	5582	0.114	ug/l	96
81) p-Isopropyltoluene	11.788	119	7411	0.188	ug/l	97
82) 1,3-Dichlorobenzene	11.746	146	2045	0.098	ug/l	94
83) 1,4-Dichlorobenzene	11.746	146	2045	0.095	ug/l	92
85) 1,2-Dichlorobenzene	12.200	146	534	0.027	ug/l	82

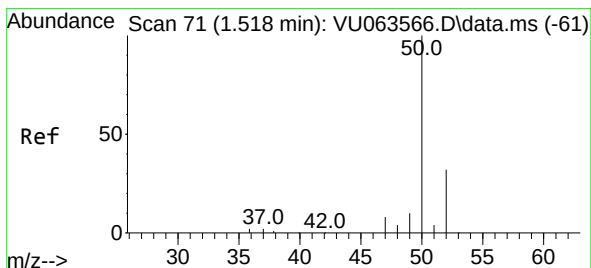
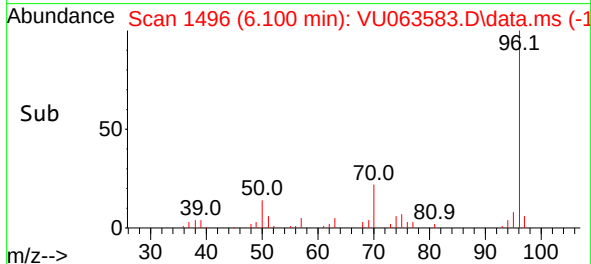
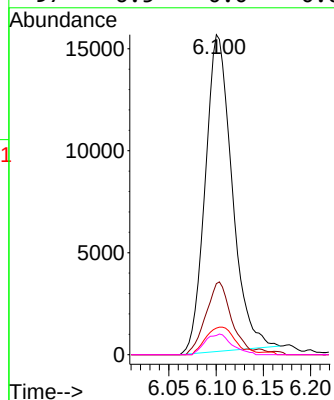
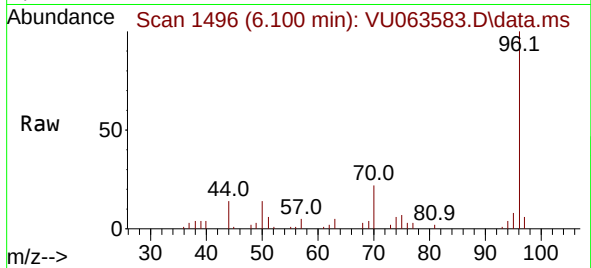
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.100 min Scan# 1496
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

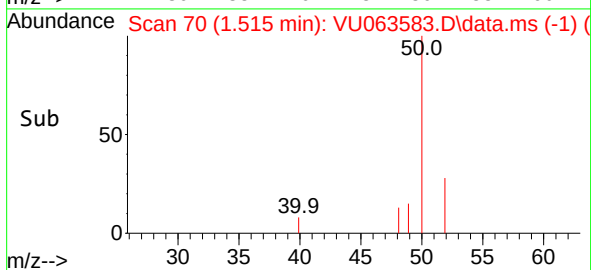
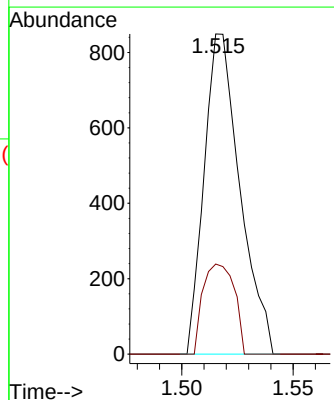
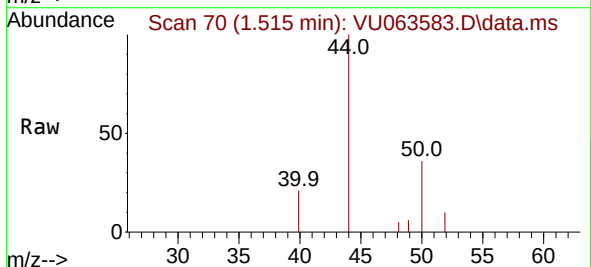
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

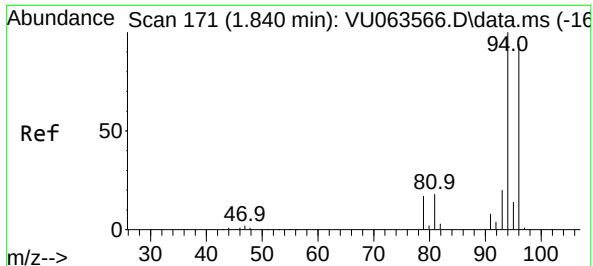
Tgt Ion:	96	Resp:	30624
Ion	Ratio	Lower	Upper
96	100		
70	20.3	15.5	23.3
95	8.9	7.7	11.5
97	6.5	0.0	0.0



#3
Chloromethane
Concen: 0.096 ug/l
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion:	50	Resp:	948
Ion	Ratio	Lower	Upper
50	100		
52	28.2	25.6	38.4

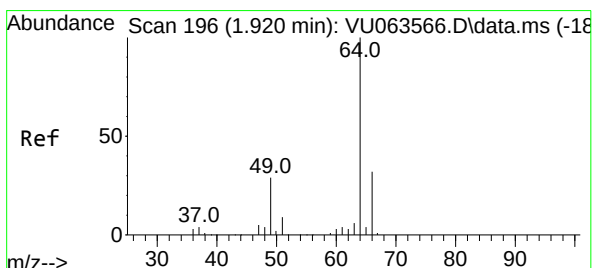
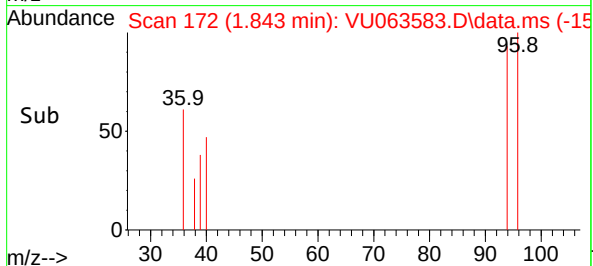
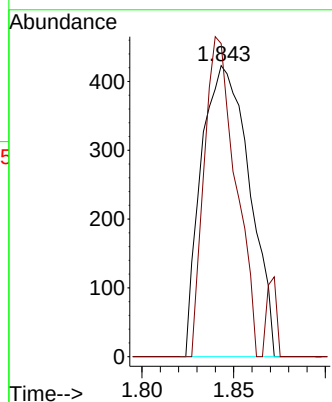
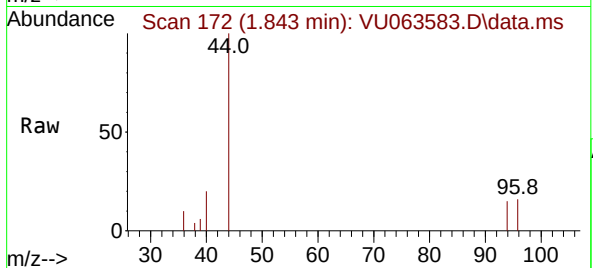




#5
Bromomethane
Concen: 0.117 ug/l
RT: 1.843 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

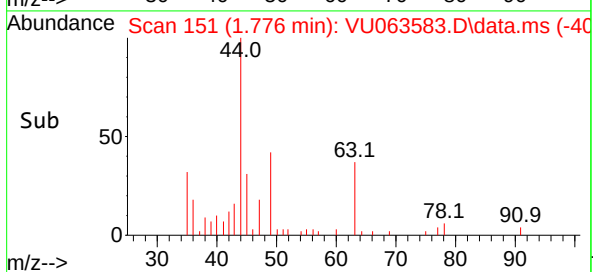
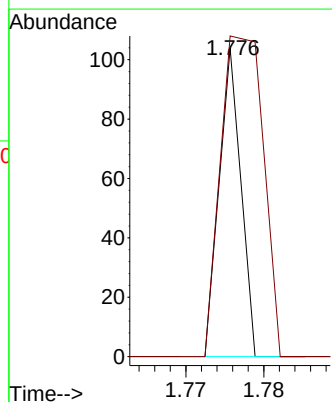
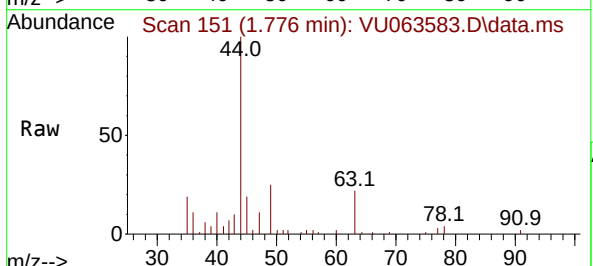
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

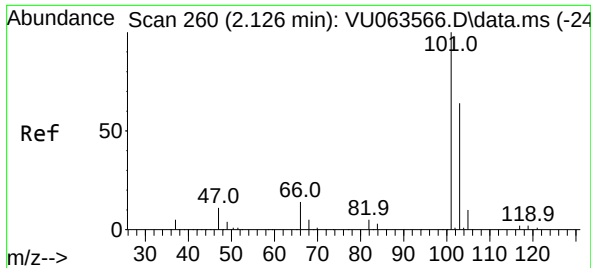
Tgt Ion: 94 Resp: 773
Ion Ratio Lower Upper
94 100
96 107.6 75.1 112.7



#6
Chloroethane
Concen: 0.003 ug/l
RT: 1.776 min Scan# 151
Delta R.T. -0.145 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 103.8 25.4 38.0#

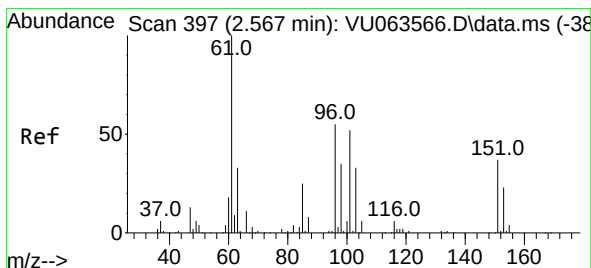
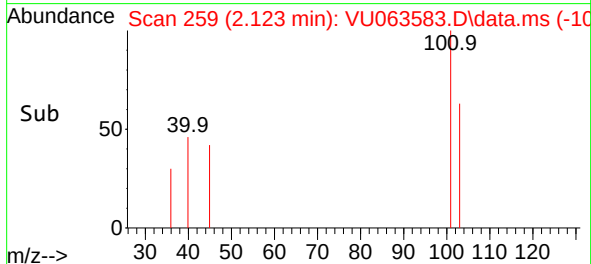
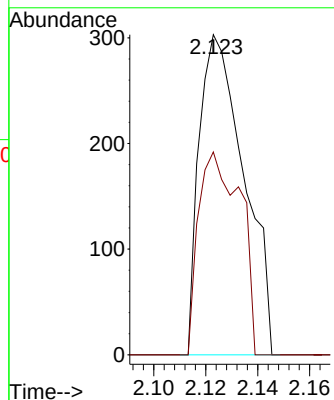
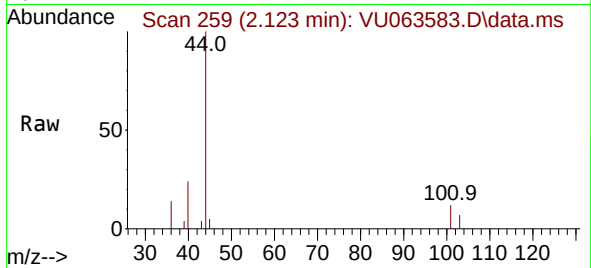




#7
 Trichlorofluoromethane
 Concen: 0.023 ug/l
 RT: 2.123 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063583.D
 Acq: 15 Sep 2025 17:15

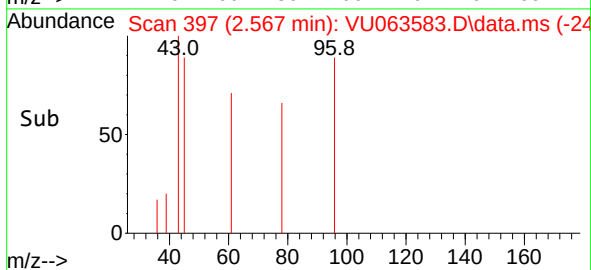
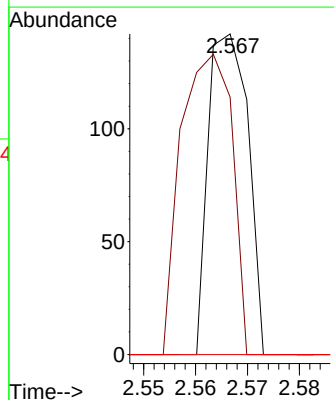
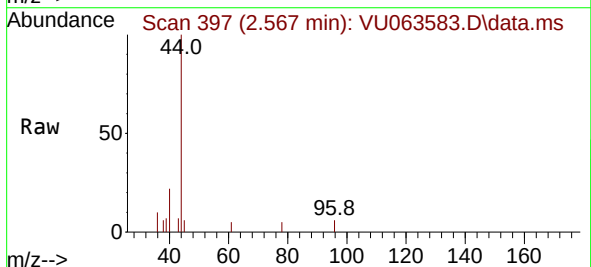
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

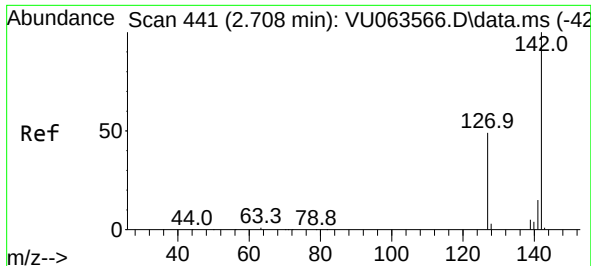
Tgt Ion:101 Resp: 362
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.8 76.2



#9
 1,1-Dichloroethene
 Concen: 0.010 ug/l
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063583.D
 Acq: 15 Sep 2025 17:15

Tgt Ion: 96 Resp: 76
 Ion Ratio Lower Upper
 96 100
 61 80.3 0.0 543.9
 98 0.0 0.0 125.8

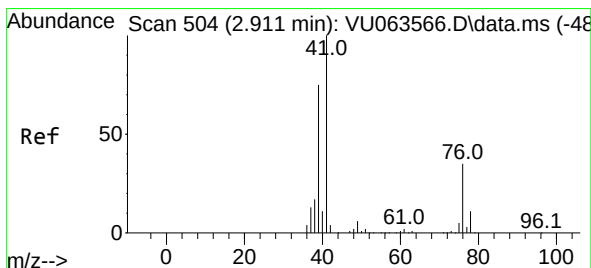
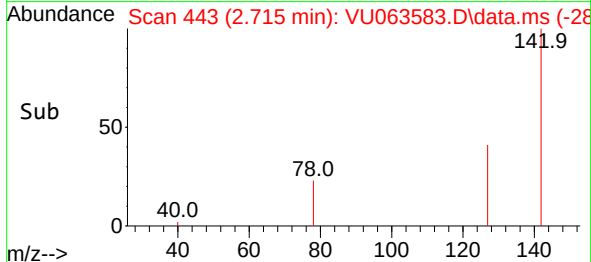
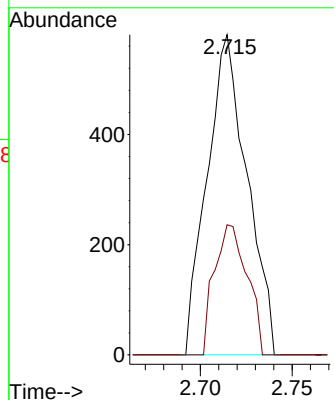
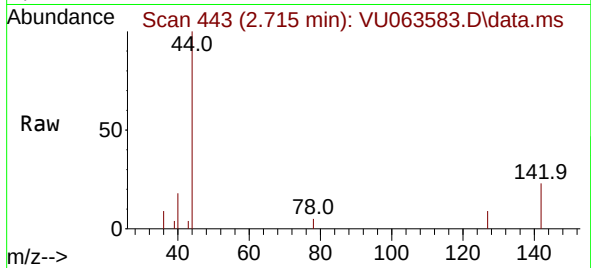




#10
Iodomethane
Concen: 0.076 ug/l
RT: 2.715 min Scan# 441
Delta R.T. 0.006 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

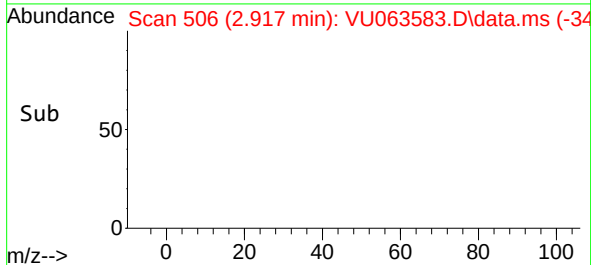
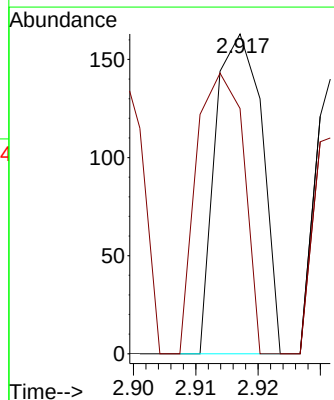
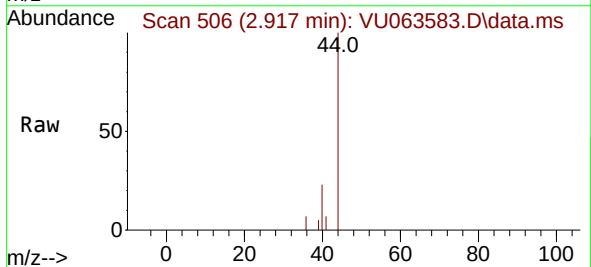
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

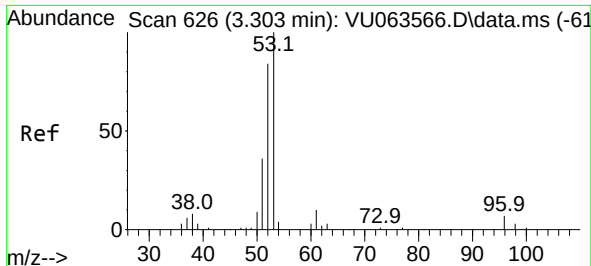
Tgt Ion:142 Resp: 877
Ion Ratio Lower Upper
142 100
127 33.4 38.6 58.0#



#11
Allyl Chloride
Concen: 0.006 ug/l
RT: 2.917 min Scan# 506
Delta R.T. 0.006 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 41 Resp: 84
Ion Ratio Lower Upper
41 100
39 89.3 61.2 91.8





#12

Acrylonitrile

Concen: 0.008 ug/l

RT: 3.313 min Scan# 61

Delta R.T. 0.010 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

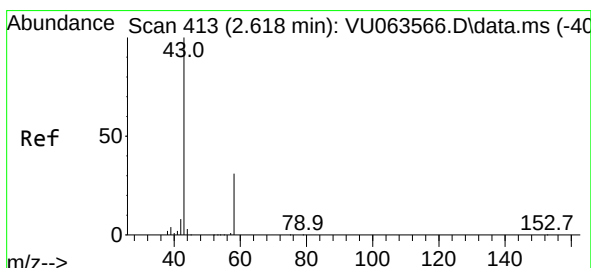
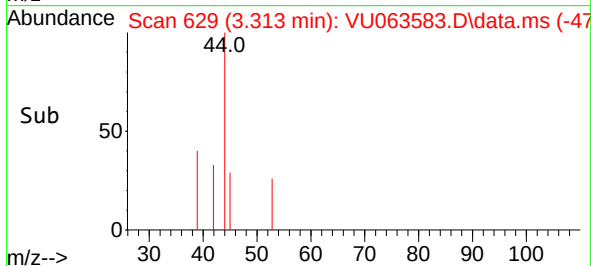
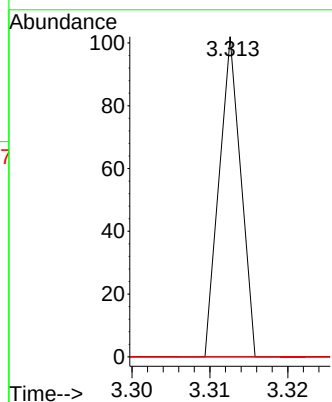
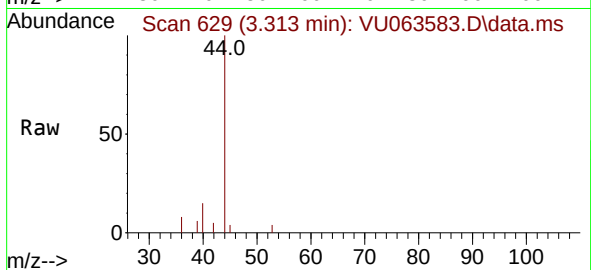
Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion: 53	Resp:	20
Ion Ratio	Lower	Upper
53	100	
52	0.0	65.0 97.4#
51	0.0	31.2 46.8#



#13

Acetone

Concen: 0.192 ug/l

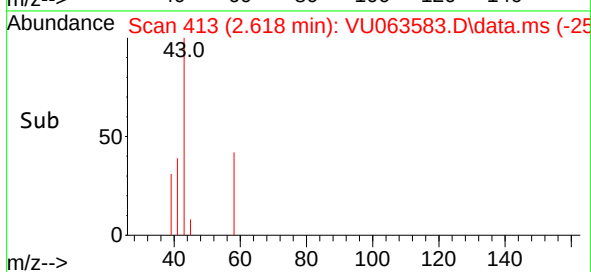
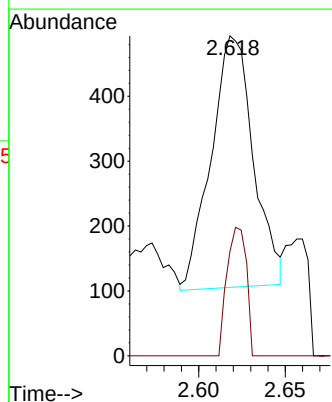
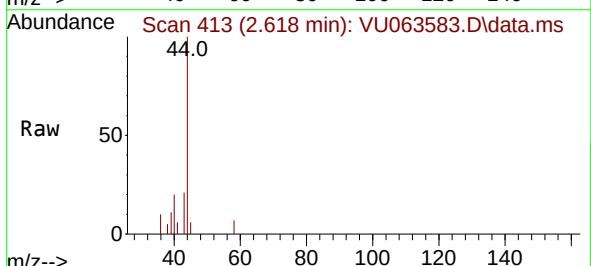
RT: 2.618 min Scan# 413

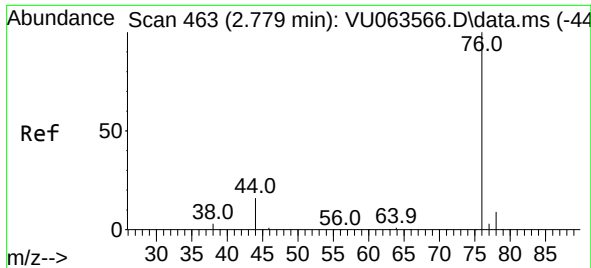
Delta R.T. 0.000 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Tgt Ion: 43	Resp:	658
Ion Ratio	Lower	Upper
43	100	
58	42.0	24.7 37.1#

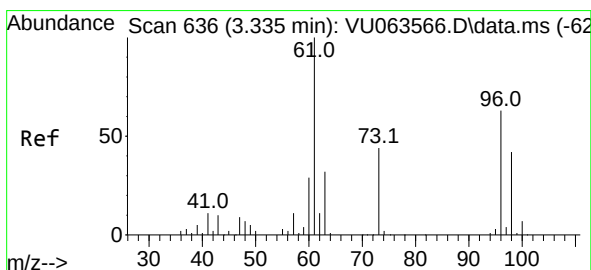
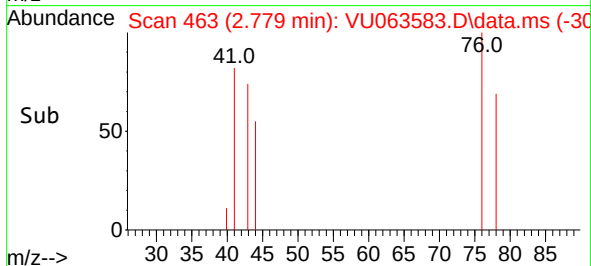
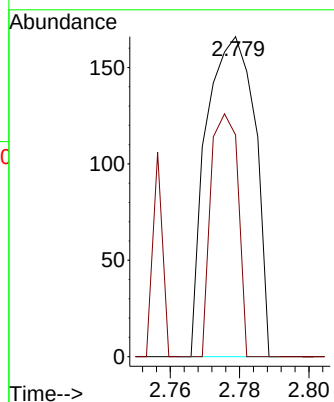
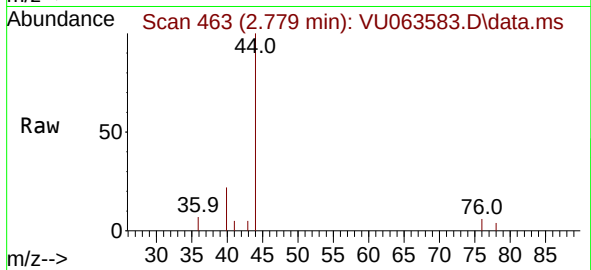




#14
Carbon Disulfide
Concen: 0.010 ug/l
RT: 2.779 min Scan# 463
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

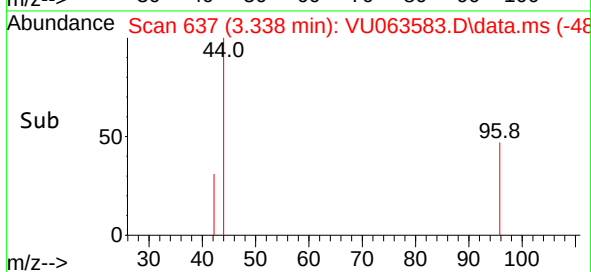
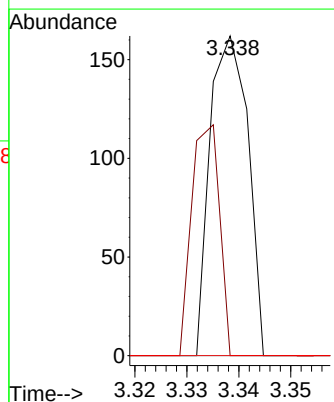
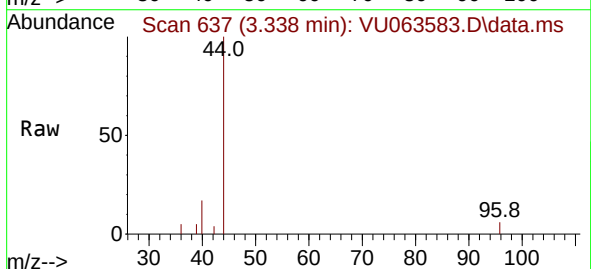
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

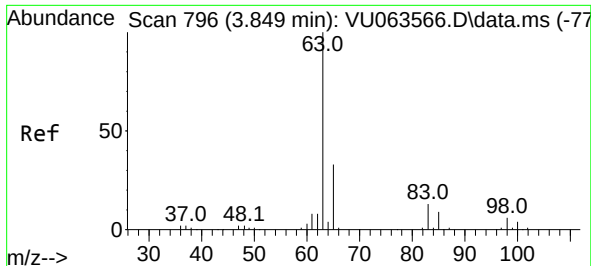
Tgt Ion: 76 Resp: 161
Ion Ratio Lower Upper
76 100
78 69.3 7.3 10.9#



#16
trans-1,2-Dichloroethene
Concen: 0.010 ug/l
RT: 3.338 min Scan# 637
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 96 Resp: 82
Ion Ratio Lower Upper
96 100
61 0.0 127.8 191.6#
98 0.0 53.8 80.8#





#17

1,1-Dichloroethane

Concen: 0.011 ug/l

RT: 3.850 min Scan# 796

Delta R.T. 0.000 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

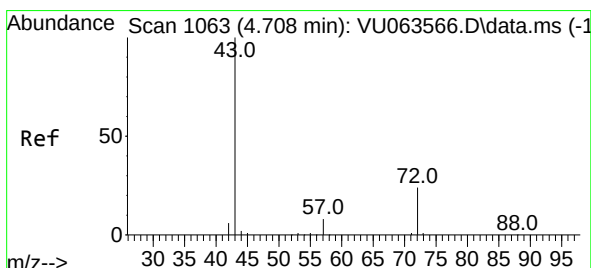
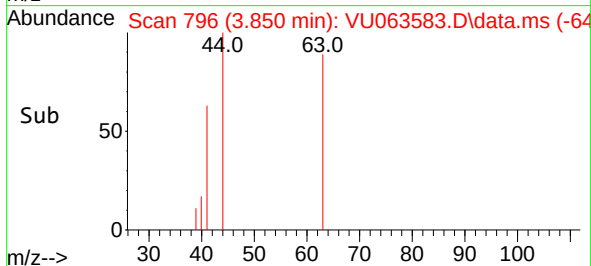
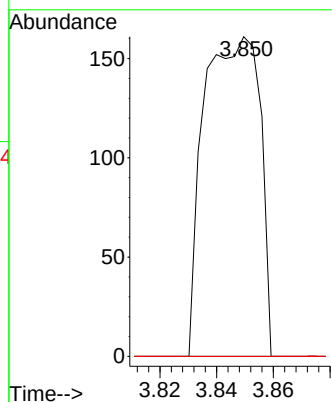
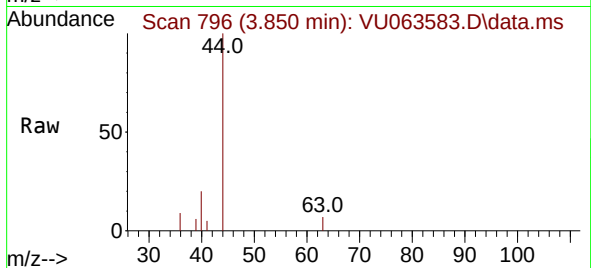
Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion:	63	Resp:	220
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.8#
100	0.0	2.0	5.8#



#18

2-Butanone

Concen: 0.045 ug/l

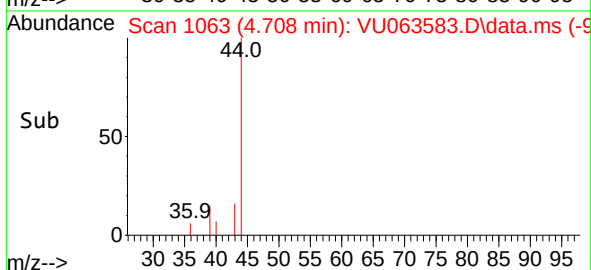
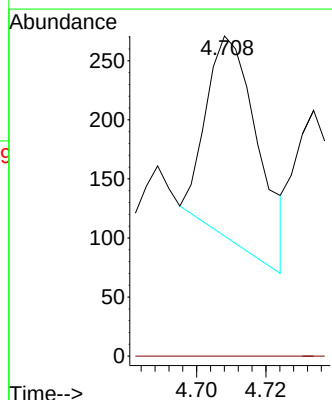
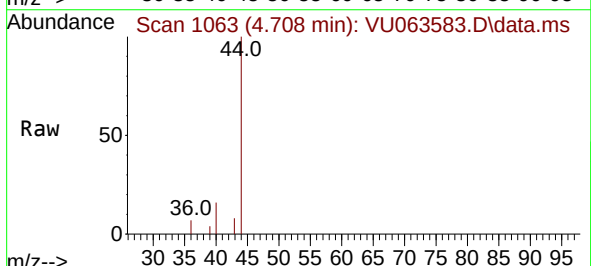
RT: 4.708 min Scan# 1063

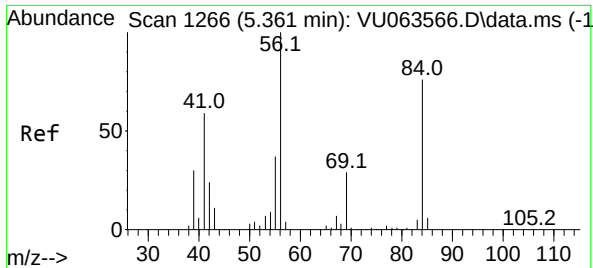
Delta R.T. 0.000 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Tgt Ion:	43	Resp:	175
Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	15.8





#19

Cyclohexane

Concen: 0.004 ug/l

RT: 5.370 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

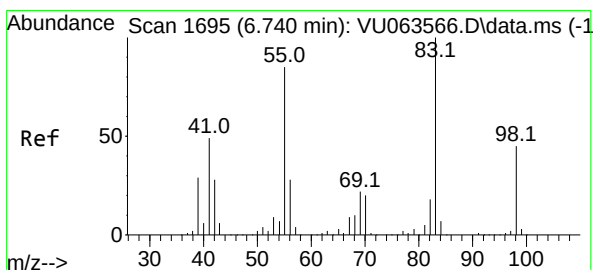
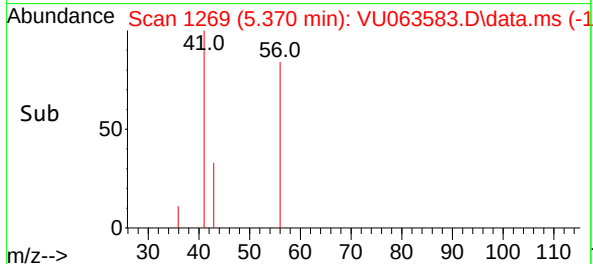
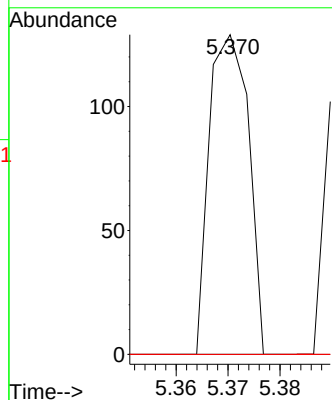
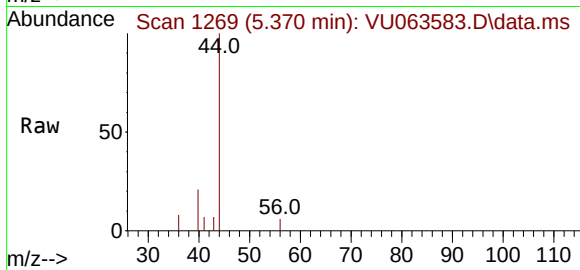
Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

69 0.0 22.7 34.1#

84 0.0 59.4 89.0#



#20

Methylcyclohexane

Concen: 0.001 ug/l

RT: 6.747 min Scan# 1697

Delta R.T. 0.007 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

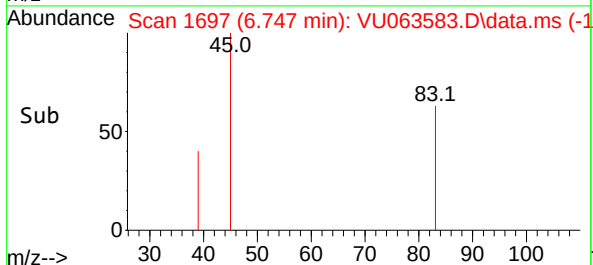
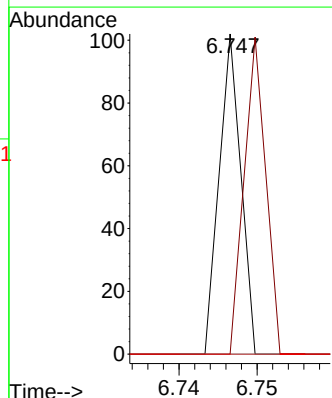
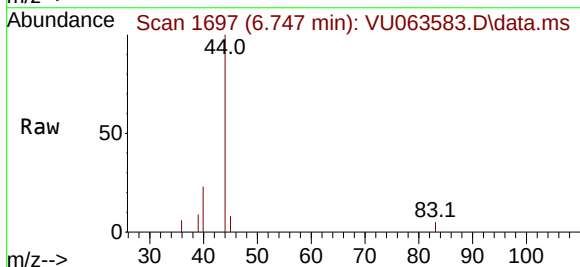
Tgt Ion: 83 Resp: 20

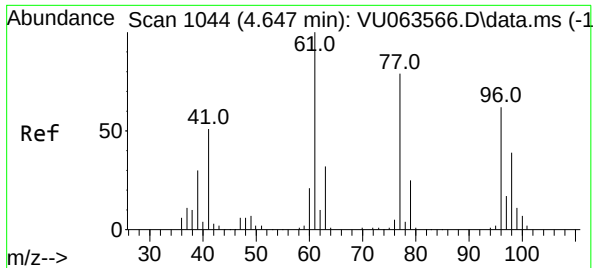
Ion Ratio Lower Upper

83 100

55 95.0 66.7 100.1

98 0.0 35.9 53.9#

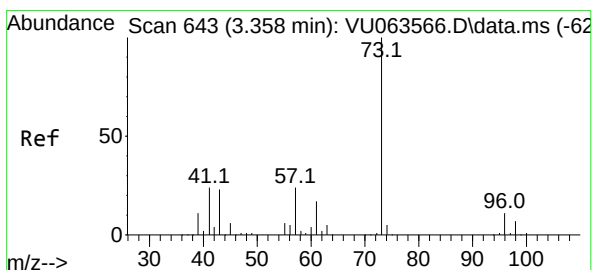
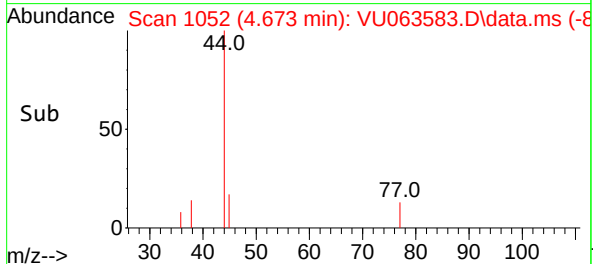
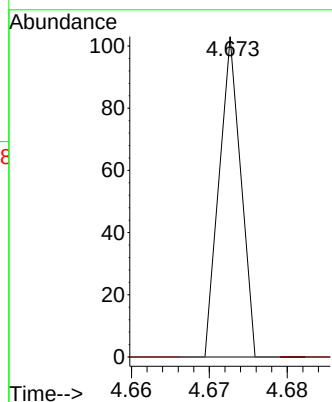
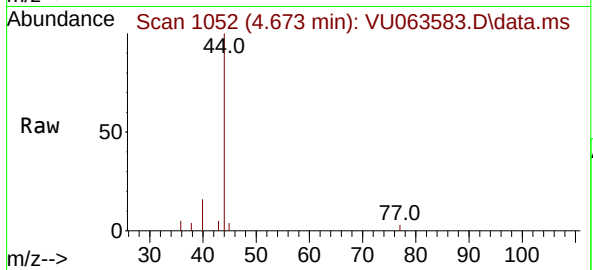




#21
2,2-Dichloropropane
Concen: 0.001 ug/l
RT: 4.673 min Scan# 1044
Delta R.T. 0.026 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

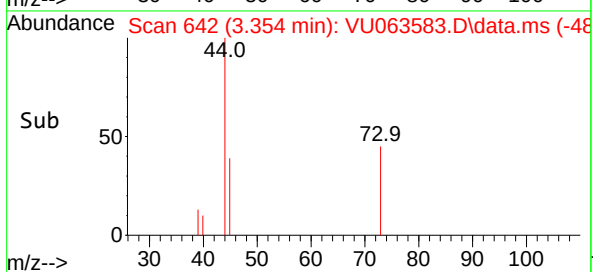
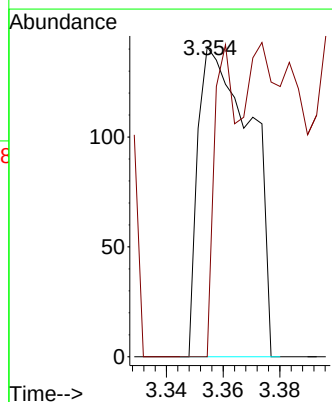
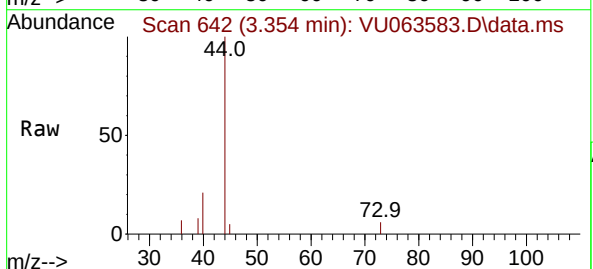
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

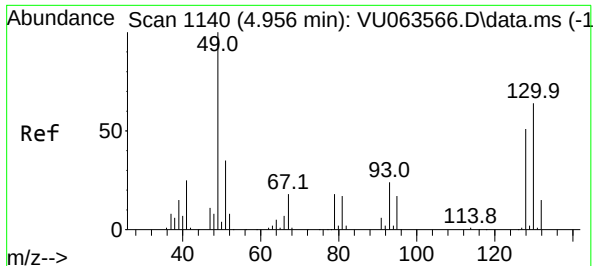
Tgt Ion: 77 Resp: 20
Ion Ratio Lower Upper
77 100
97 0.0 17.5 26.3#



#25
Methyl tert-Butyl Ether
Concen: 0.008 ug/l
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 73 Resp: 182
Ion Ratio Lower Upper
73 100
43 39.6 18.1 27.1#

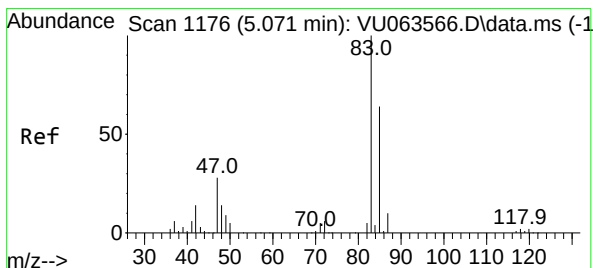
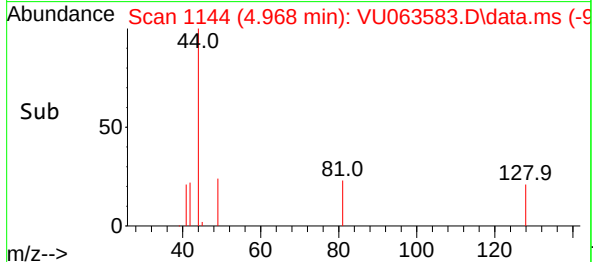
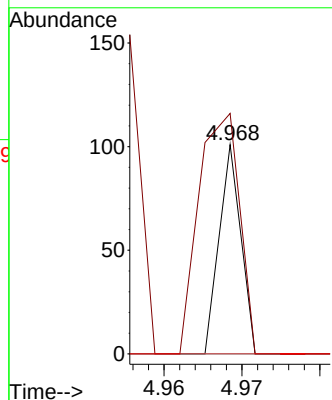
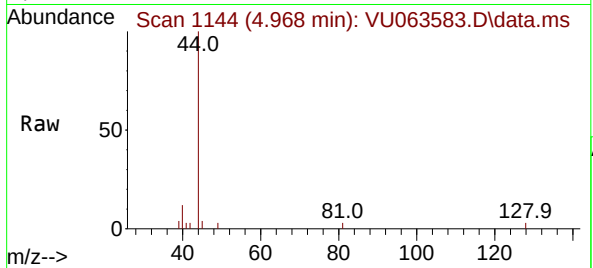




#26
Bromochloromethane
Concen: 0.005 ug/l
RT: 4.968 min Scan# 1140
Delta R.T. 0.013 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

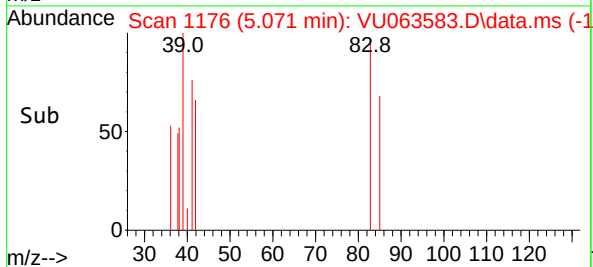
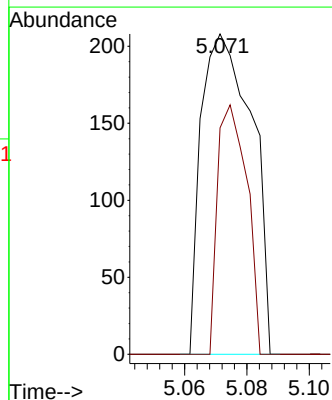
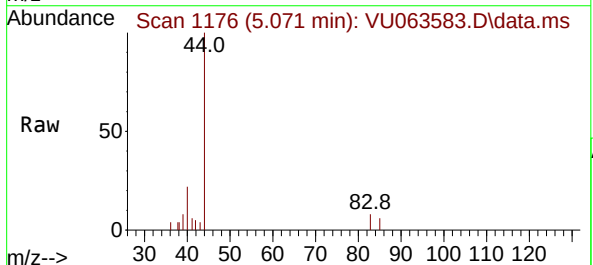
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

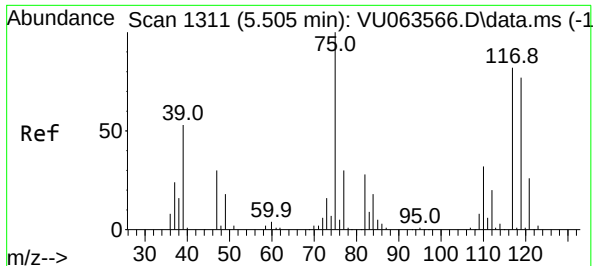
Tgt Ion:128 Resp: 19
Ion Ratio Lower Upper
128 100
49 221.1 0.0 410.2
130 0.0 103.4 155.0#



#27
Chloroform
Concen: 0.012 ug/l
RT: 5.071 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 83 Resp: 235
Ion Ratio Lower Upper
83 100
85 70.7 0.0 128.6

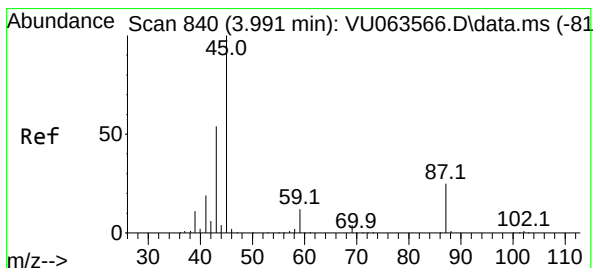
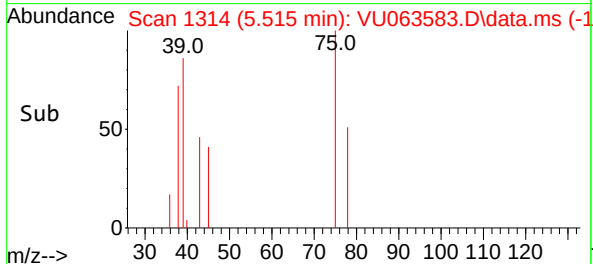
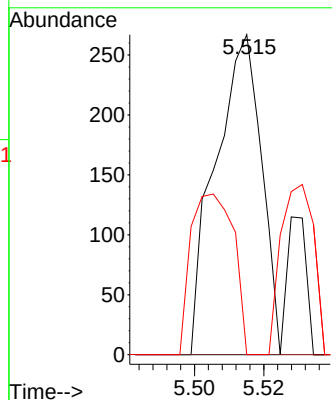
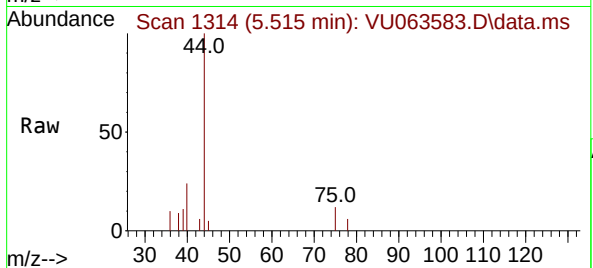




#29
1,1-Dichloropropene
Concen: 0.018 ug/l
RT: 5.515 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

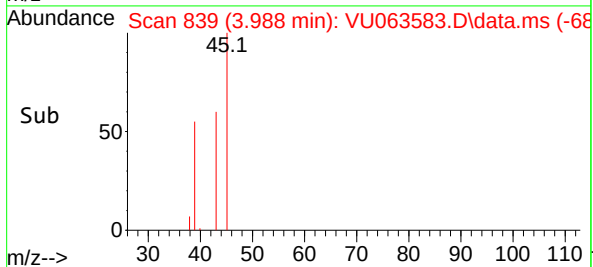
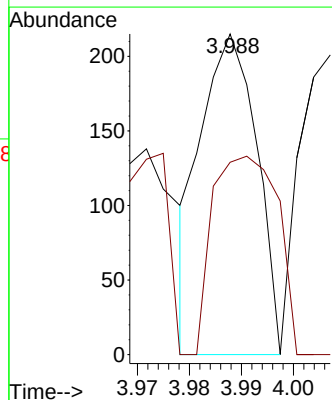
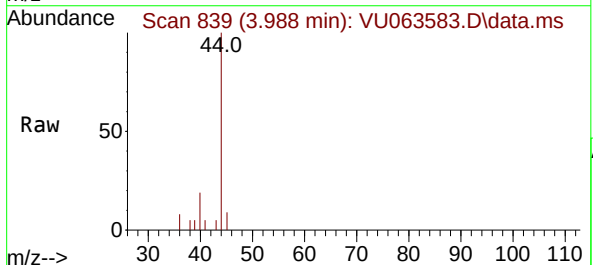
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

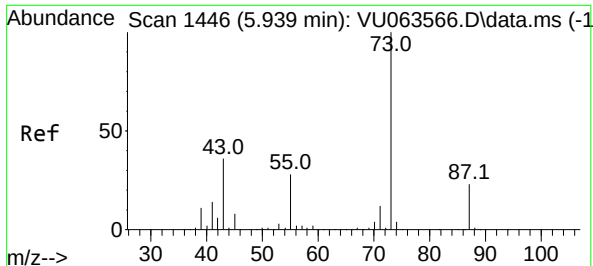
Tgt Ion: 75 Resp: 247
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.4#
77 46.6 24.6 37.0#



#31
Isopropyl Ether
Concen: 0.005 ug/l
RT: 3.988 min Scan# 839
Delta R.T. -0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 45 Resp: 160
Ion Ratio Lower Upper
45 100
43 72.5 26.2 78.6

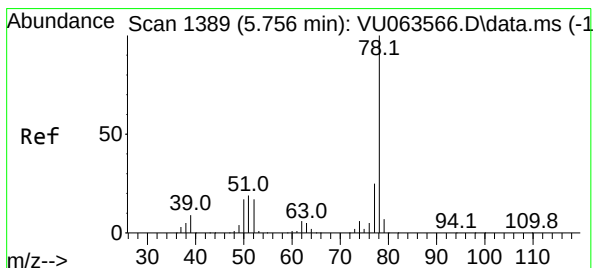
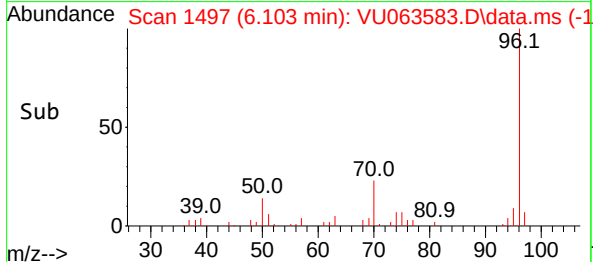
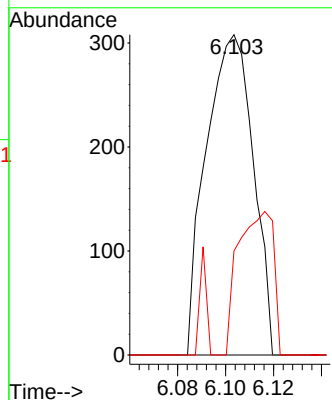
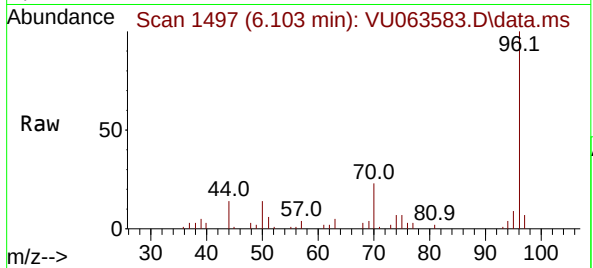




#33
Tert-Amyl methyl ether
Concen: 0.018 ug/l
RT: 6.103 min Scan# 1446
Delta R.T. 0.164 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

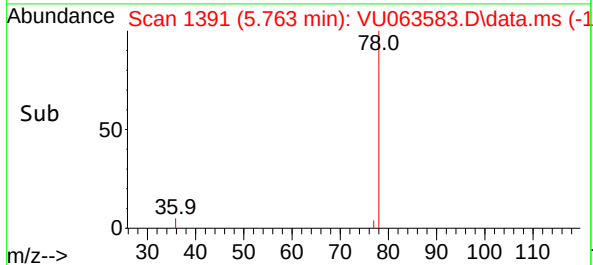
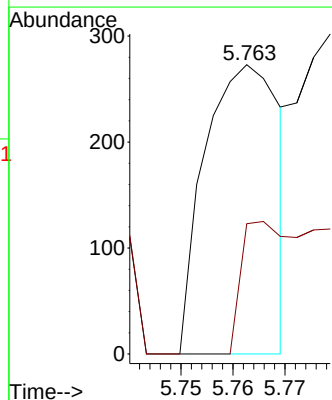
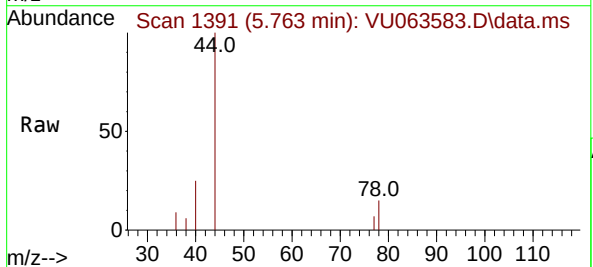
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

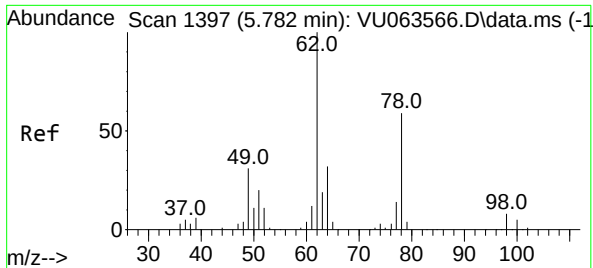
Tgt Ion: 73 Resp: 420
Ion Ratio Lower Upper
73 100
87 0.0 19.0 28.6#
71 33.6 9.4 14.2#



#35
Benzene
Concen: 0.007 ug/l
RT: 5.763 min Scan# 1391
Delta R.T. 0.007 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 78 Resp: 272
Ion Ratio Lower Upper
78 100
77 45.1 19.8 29.8#

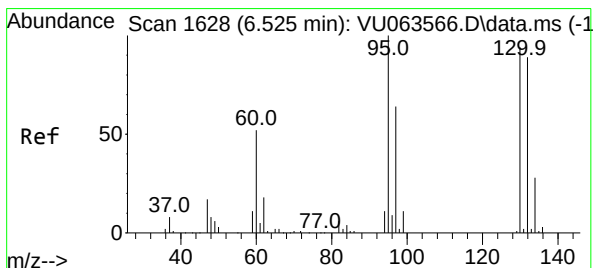
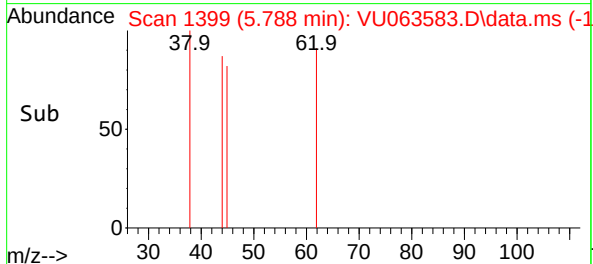
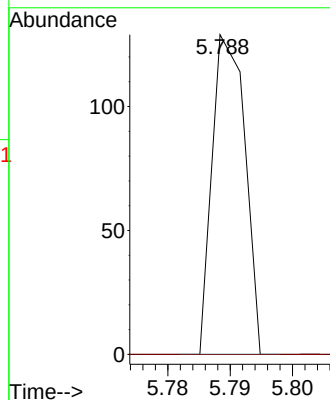
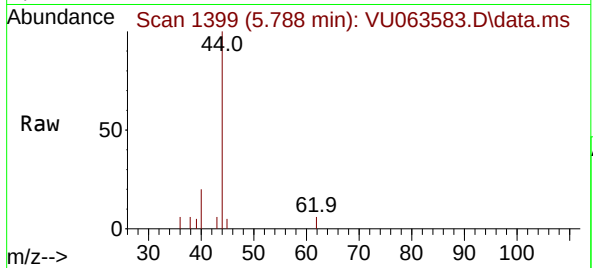




#36
1,2-Dichloroethane
Concen: 0.003 ug/l
RT: 5.788 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

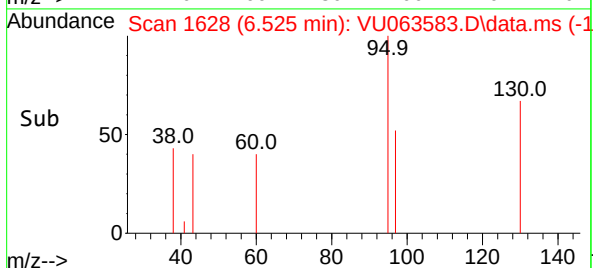
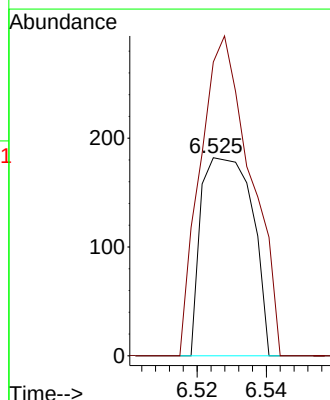
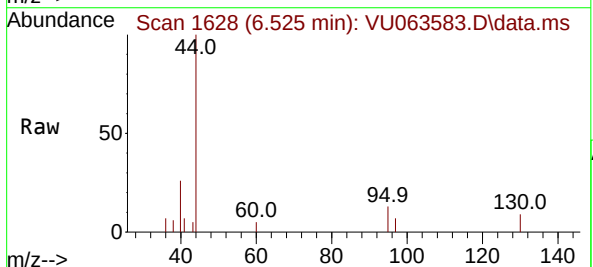
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

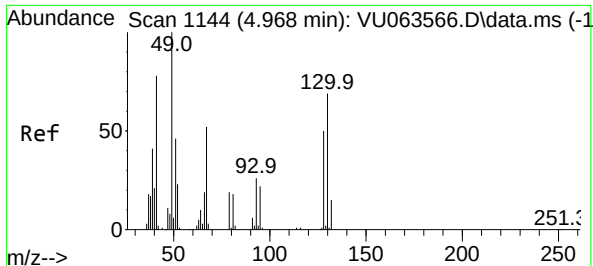
Tgt Ion: 62 Resp: 47
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#



#37
Trichloroethene
Concen: 0.019 ug/l
RT: 6.525 min Scan# 1628
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion:130 Resp: 187
Ion Ratio Lower Upper
130 100
95 148.4 85.4 128.2#

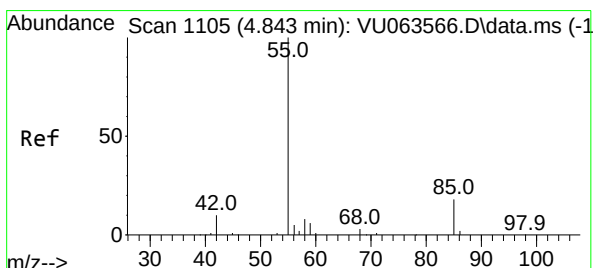
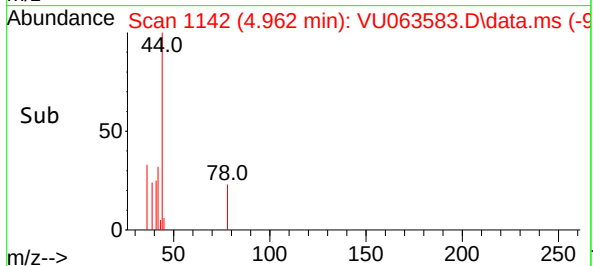
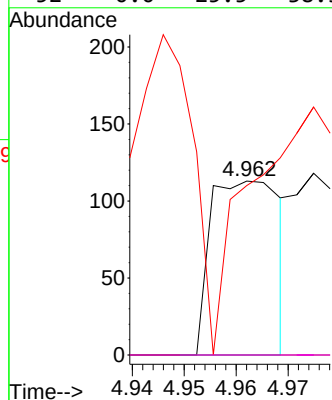
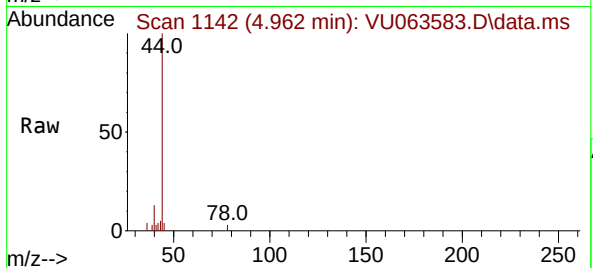




#39
Methacrylonitrile
Concen: 0.024 ug/l
RT: 4.962 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

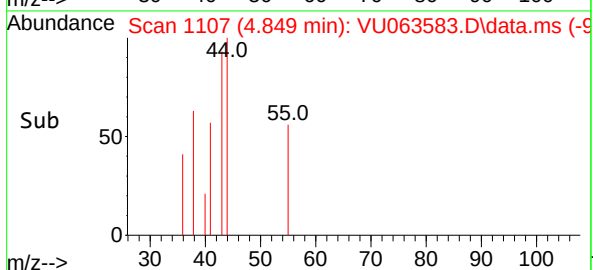
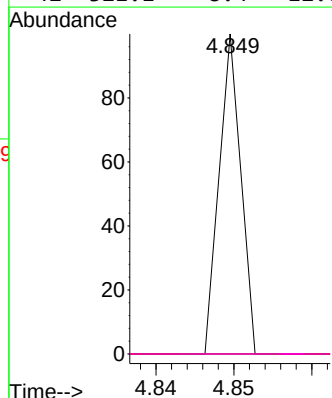
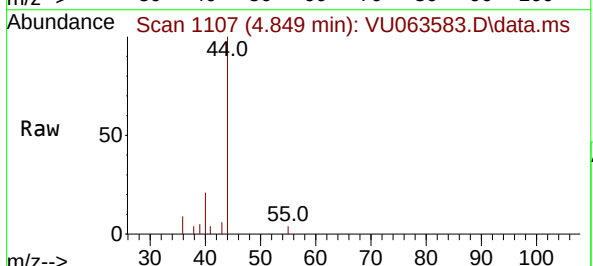
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

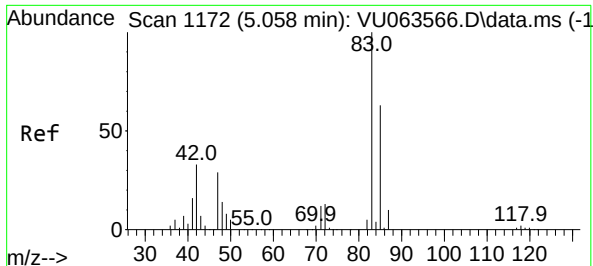
Tgt Ion:	41	Resp:	105
Ion	Ratio	Lower	Upper
41	100		
67	0.0	57.7	86.5#
39	188.6	44.6	67.0#
52	0.0	25.5	38.3#



#40
Methyl acrylate
Concen: 0.003 ug/l
RT: 4.849 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion:	55	Resp:	19
Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.8	19.2#
58	0.0	6.6	10.0#
42	321.1	8.4	12.6#





#41

Tetrahydrofuran

Concen: 0.157 ug/l

RT: 5.052 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

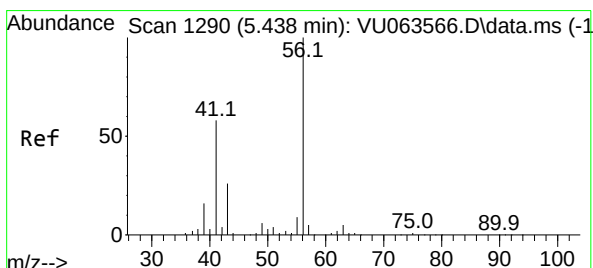
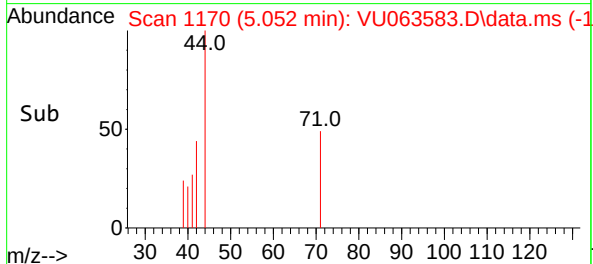
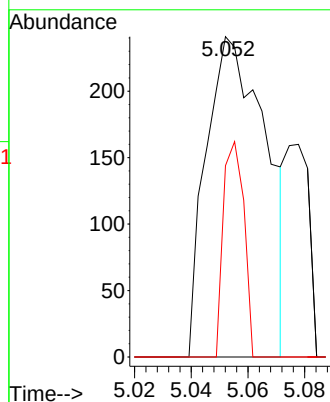
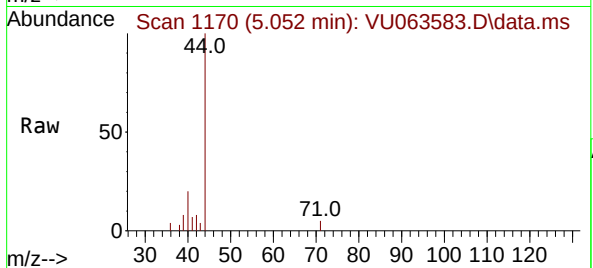
Instrument :

MSVOA_U

ClientSampleId :

VIBLK

Tgt Ion:	42	Resp:	352
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.1	51.1#
71	23.3	29.9	44.9#



#42

1-Chlorobutane

Concen: 0.001 ug/l

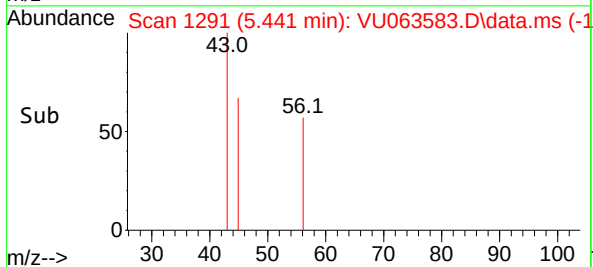
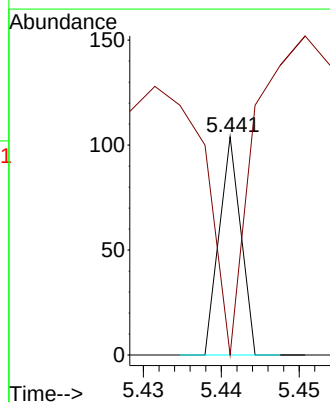
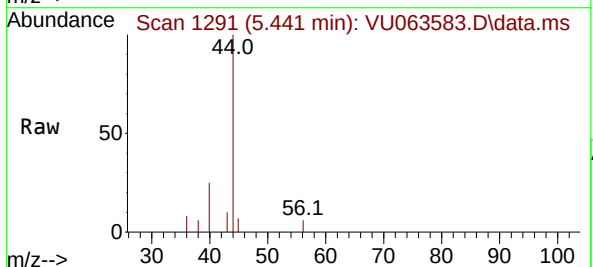
RT: 5.441 min Scan# 1291

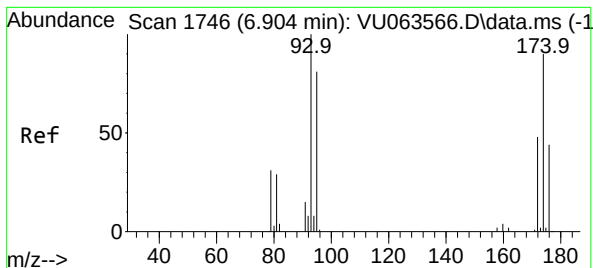
Delta R.T. 0.003 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Tgt Ion:	56	Resp:	20
Ion Ratio	Lower	Upper	
56	100		
41	525.0	28.3	84.9#





#43

Dibromomethane

Concen: 0.036 ug/l

RT: 6.904 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

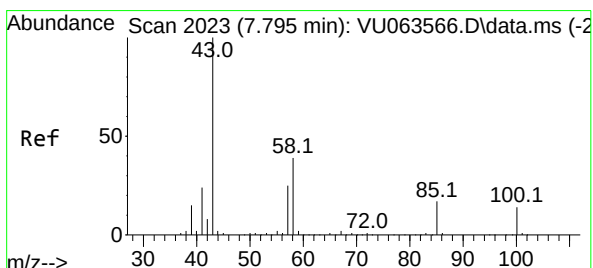
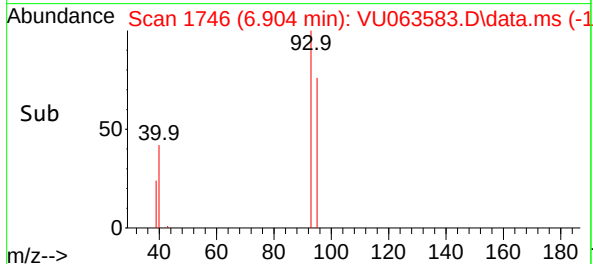
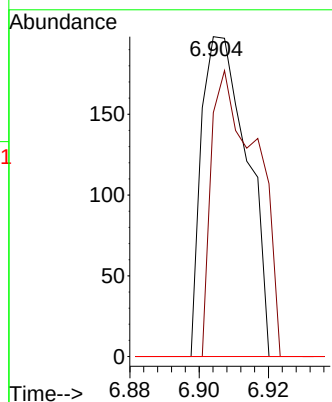
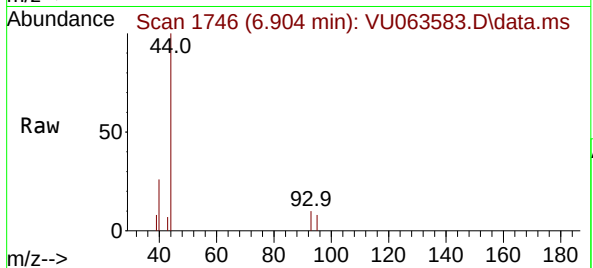
Tgt Ion: 93 Resp: 181

Ion Ratio Lower Upper

93 100

95 89.5 66.6 100.0

174 0.0 72.7 109.1#



#45

4-Methyl-2-Pentanone

Concen: 0.131 ug/l

RT: 7.801 min Scan# 2025

Delta R.T. 0.006 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

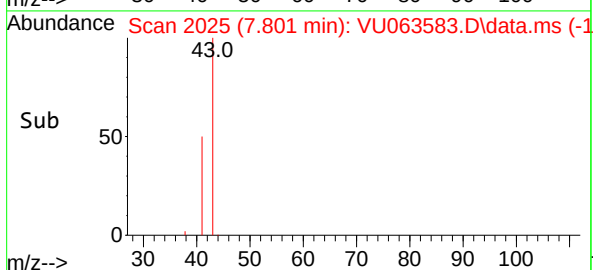
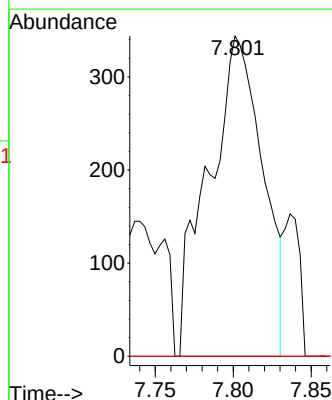
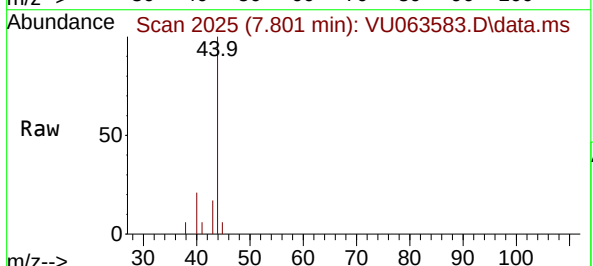
Tgt Ion: 43 Resp: 836

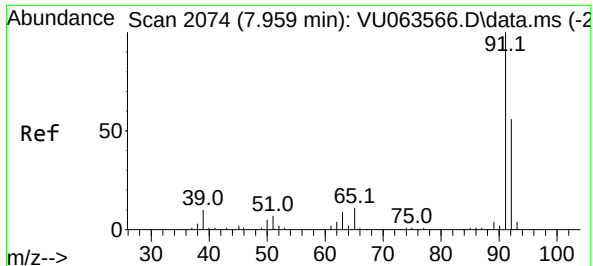
Ion Ratio Lower Upper

43 100

58 0.0 18.9 56.9#

85 0.0 13.3 19.9#





#49

Toluene

Concen: 0.001 ug/l

RT: 7.955 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

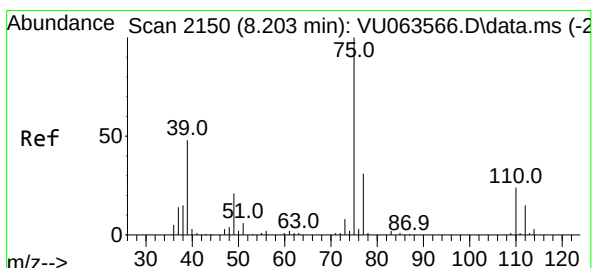
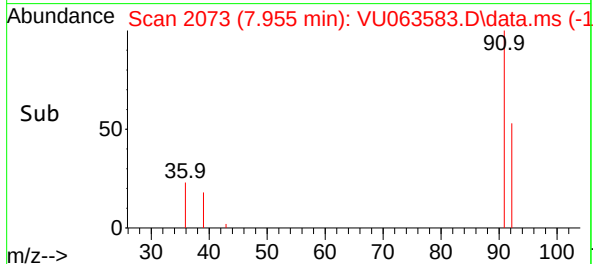
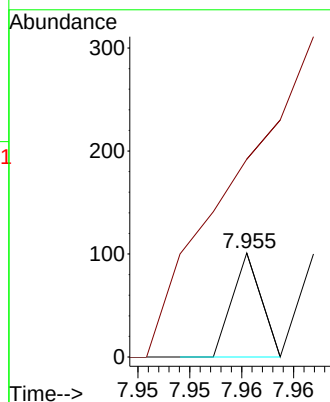
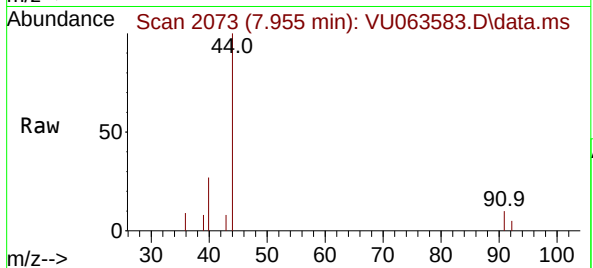
VIBLK

Tgt Ion: 92 Resp: 19

Ion Ratio Lower Upper

92 100

91 0.0 139.4 209.2#



#50

t-1,3-Dichloropropene

Concen: 0.026 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063583.D

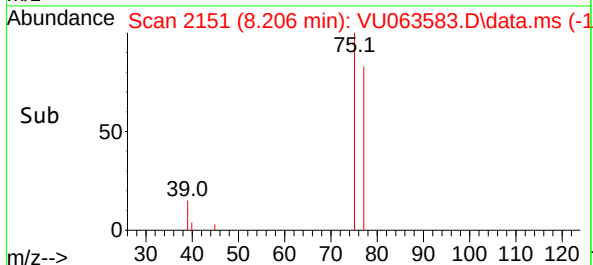
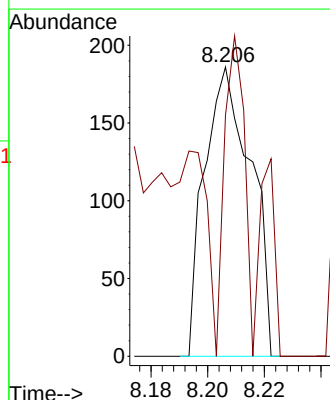
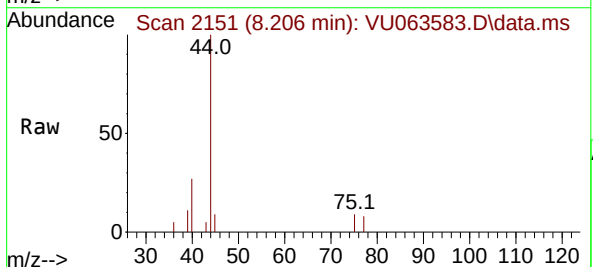
Acq: 15 Sep 2025 17:15

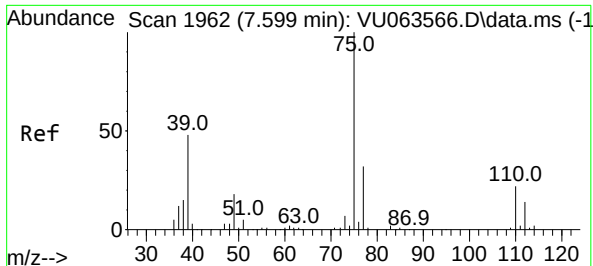
Tgt Ion: 75 Resp: 211

Ion Ratio Lower Upper

75 100

77 83.3 24.8 37.2#





#51

cis-1,3-Dichloropropene

Concen: 0.034 ug/l

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

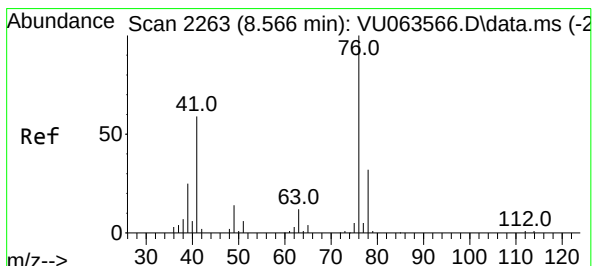
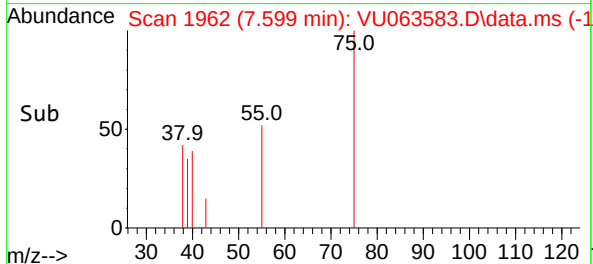
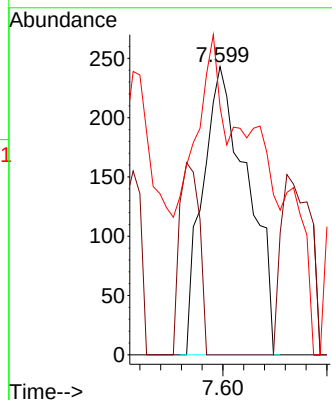
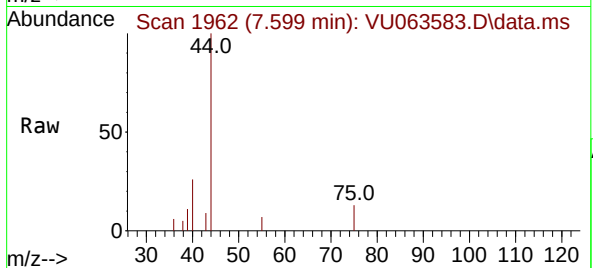
Tgt Ion: 75 Resp: 366

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 35.8 38.8 58.2#



#53

1,3-Dichloropropane

Concen: 0.007 ug/l

RT: 8.579 min Scan# 2267

Delta R.T. 0.013 min

Lab File: VU063583.D

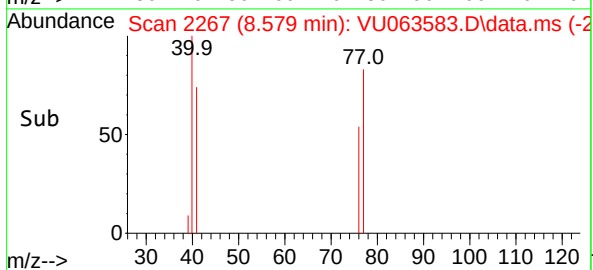
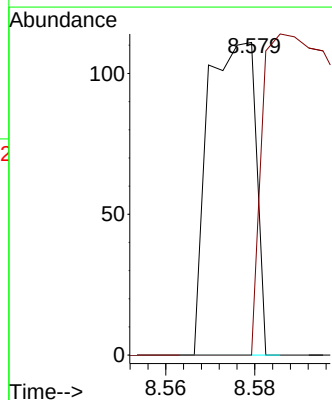
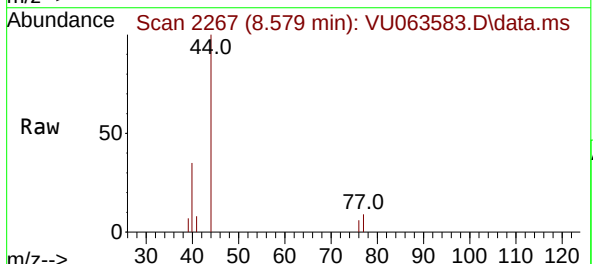
Acq: 15 Sep 2025 17:15

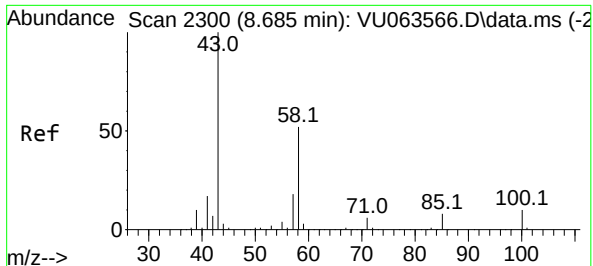
Tgt Ion: 76 Resp: 82

Ion Ratio Lower Upper

76 100

78 153.7 26.2 39.2#

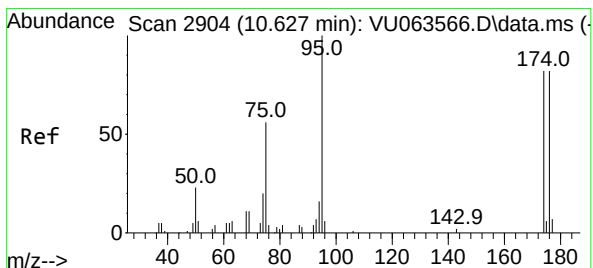
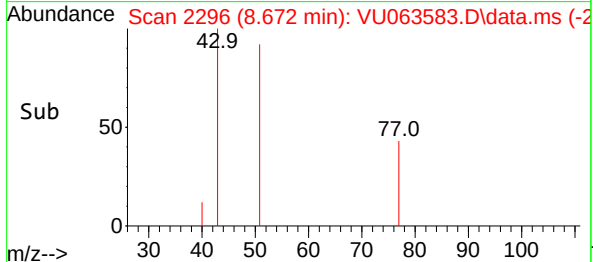
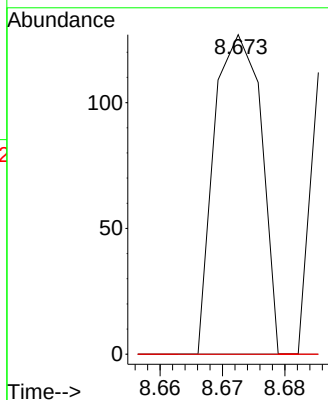
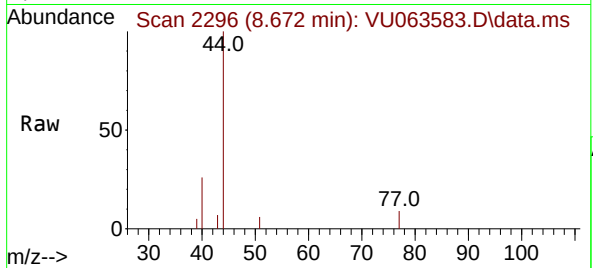




#54
2-Hexanone
Concen: 0.014 ug/l
RT: 8.672 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

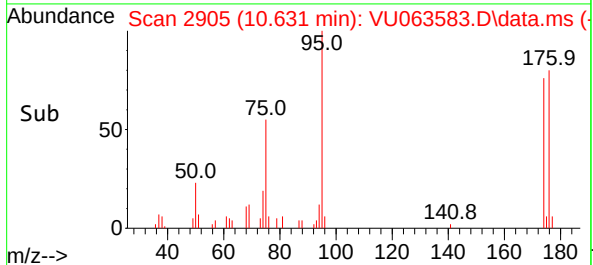
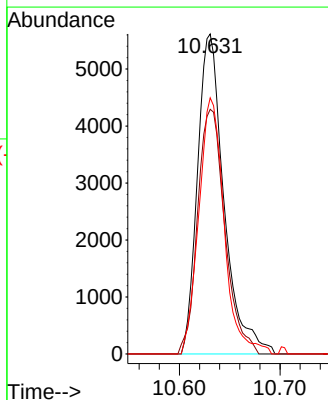
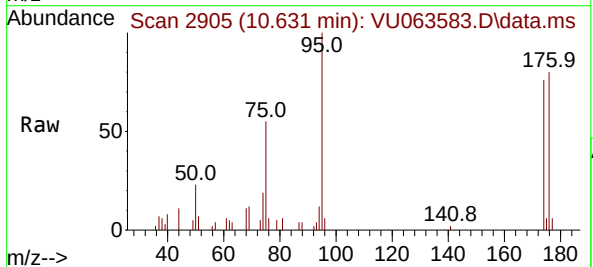
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

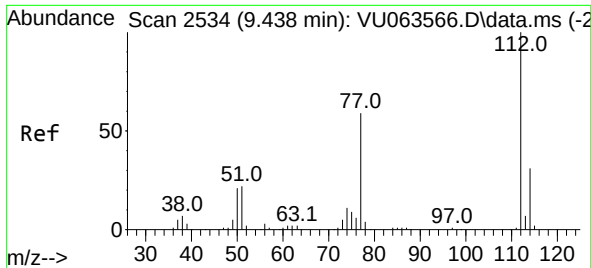
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 32.7 72.7#
57 0.0 0.0 38.2



#57
4-Bromofluorobenzene
Concen: 0.900 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 95 Resp: 10266
Ion Ratio Lower Upper
95 100
174 78.6 64.7 97.1
176 76.7 66.2 99.4





#59

Chlorobenzene

Concen: 0.019 ug/l

RT: 9.451 min Scan# 2538

Delta R.T. 0.013 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

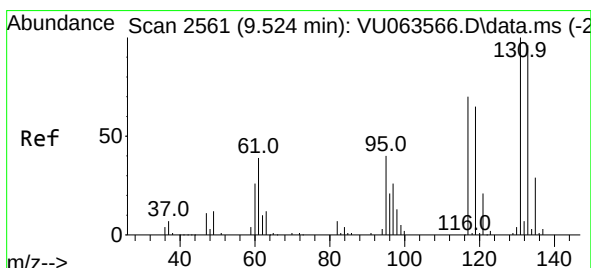
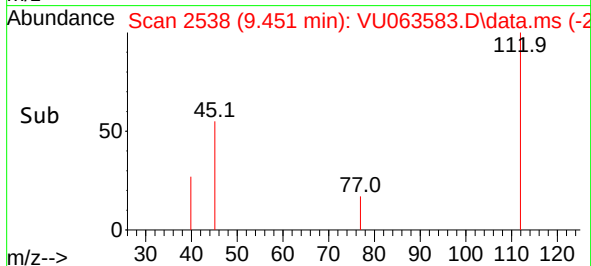
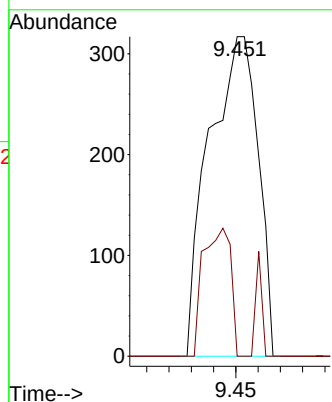
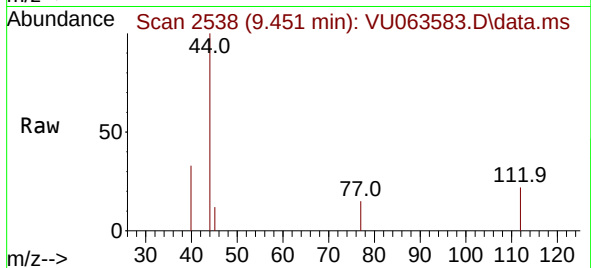
VIBLK

Tgt Ion:112 Resp: 482

Ion Ratio Lower Upper

112 100

114 0.0 25.0 37.4#



#60

1,1,1,2-Tetrachloroethane

Concen: 0.011 ug/l

RT: 9.518 min Scan# 2559

Delta R.T. -0.006 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

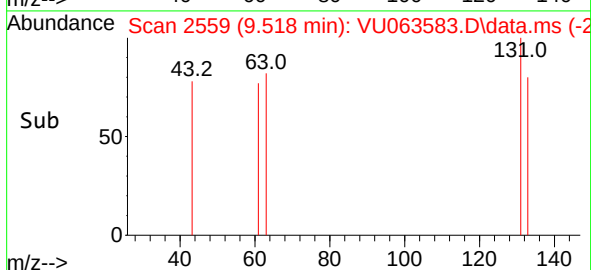
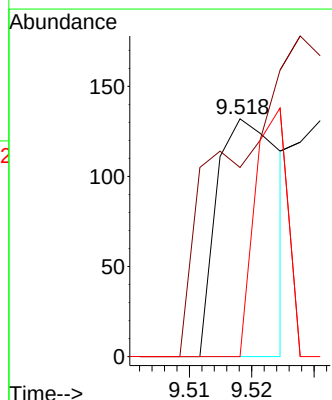
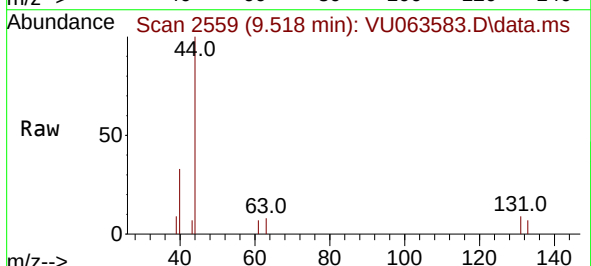
Tgt Ion:131 Resp: 93

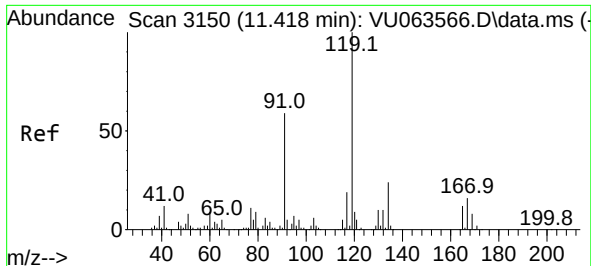
Ion Ratio Lower Upper

131 100

133 277.4 75.8 113.8#

119 53.8 51.8 77.6

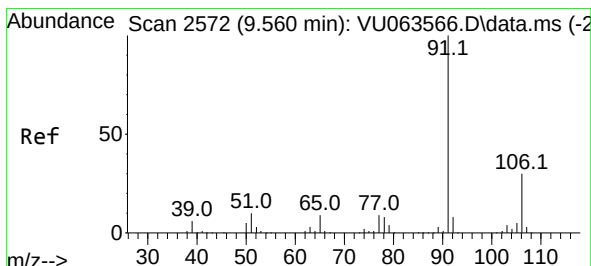
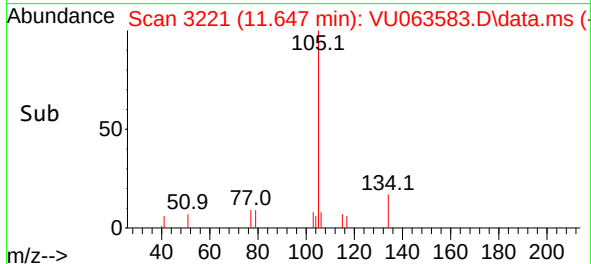
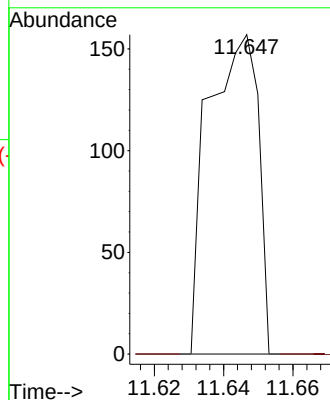
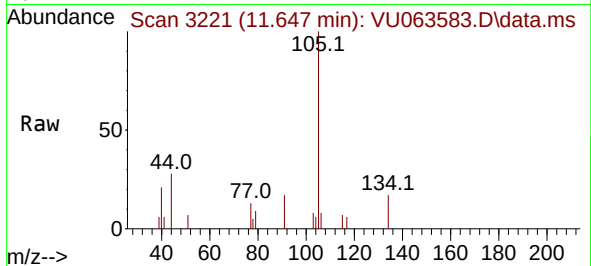




#61
Pentachloroethane
Concen: 0.027 ug/l
RT: 11.647 min Scan# 3150
Delta R.T. 0.228 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

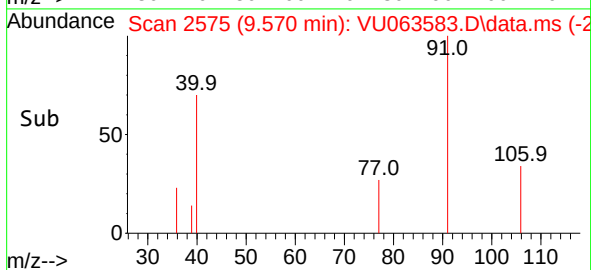
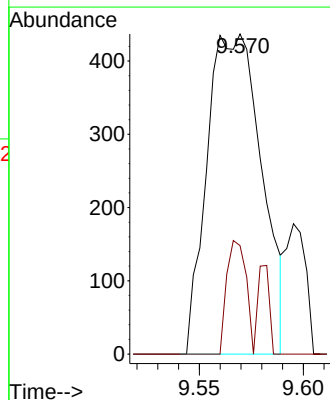
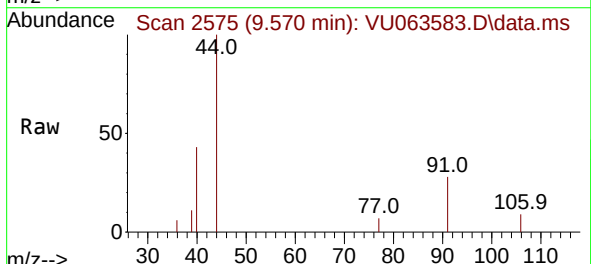
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

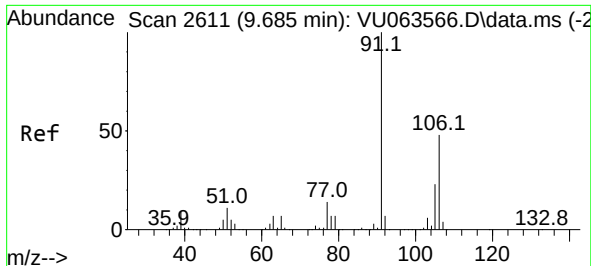
Tgt Ion:117 Resp: 157
Ion Ratio Lower Upper
117 100
167 0.0 62.6 93.8#



#63
Ethyl Benzene
Concen: 0.019 ug/l
RT: 9.570 min Scan# 2575
Delta R.T. 0.010 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 91 Resp: 795
Ion Ratio Lower Upper
91 100
106 33.9 23.8 35.8

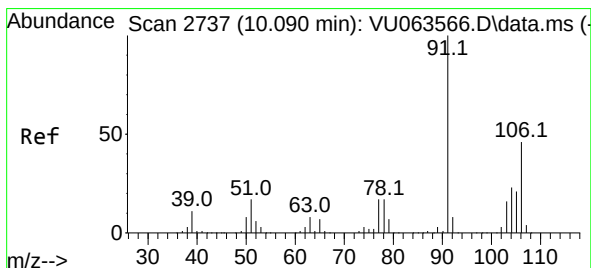
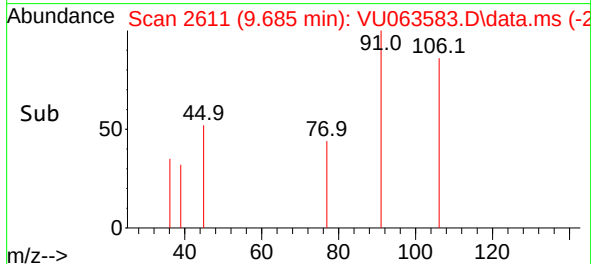
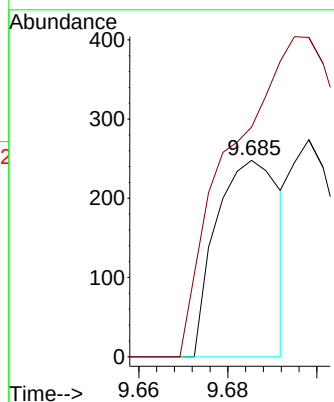
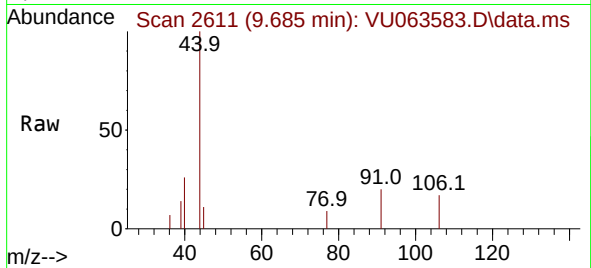




#64
m/p-Xylenes
Concen: 0.015 ug/l
RT: 9.685 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

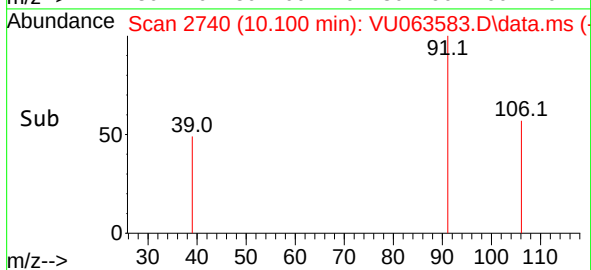
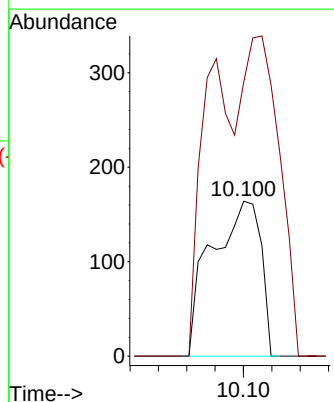
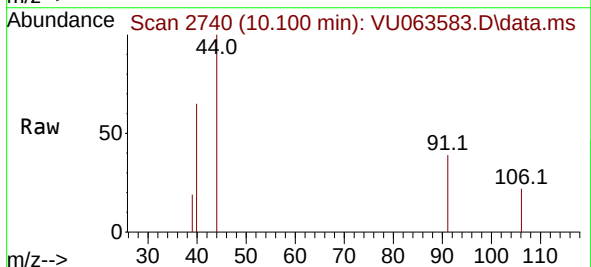
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

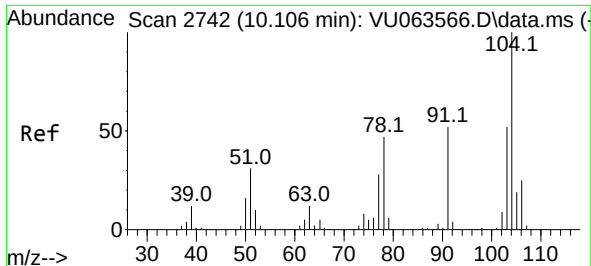
Tgt Ion:106 Resp: 244
Ion Ratio Lower Upper
106 100
91 339.3 167.0 250.4#



#65
o-Xylene
Concen: 0.012 ug/l
RT: 10.100 min Scan# 2740
Delta R.T. 0.010 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion:106 Resp: 198
Ion Ratio Lower Upper
106 100
91 155.1 108.7 326.1

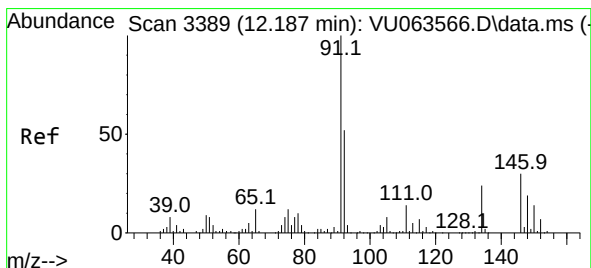
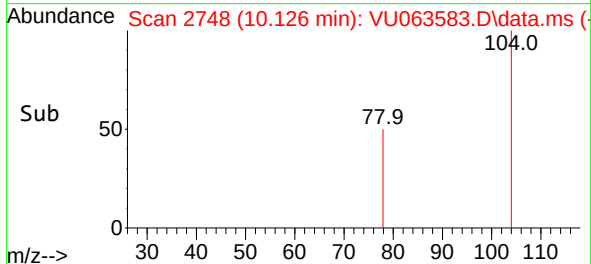
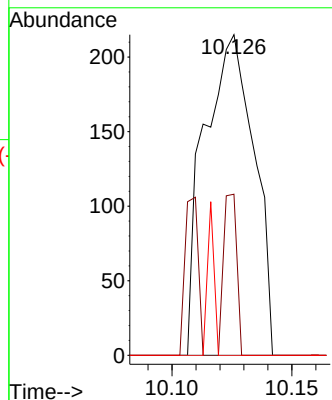
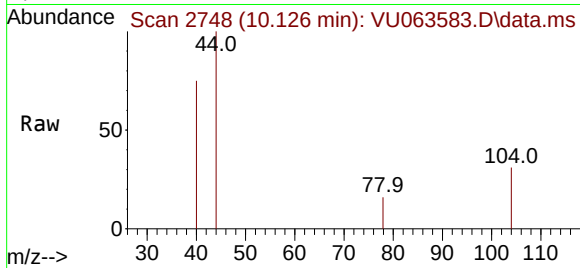




#66
Styrene
Concen: 0.012 ug/l
RT: 10.126 min Scan# 21
Delta R.T. 0.019 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

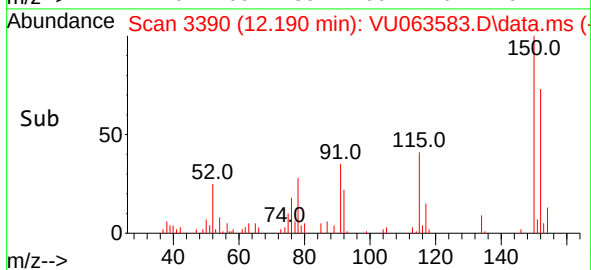
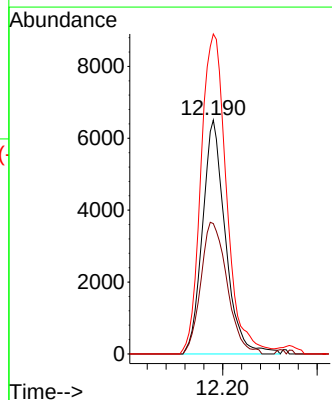
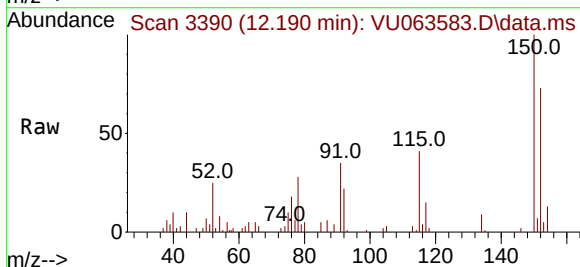
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

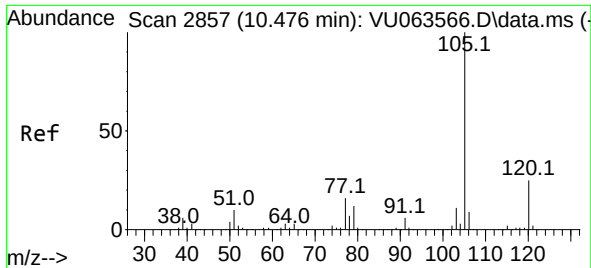
Tgt Ion:104 Resp: 310
Ion Ratio Lower Upper
104 100
78 13.2 41.2 61.8#
103 0.0 44.2 66.2#



#68
1,2-Dichlorobenzene-d4
Concen: 0.940 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion:152 Resp: 10933
Ion Ratio Lower Upper
152 100
115 64.5 0.0 260.6
150 153.1 0.0 661.8

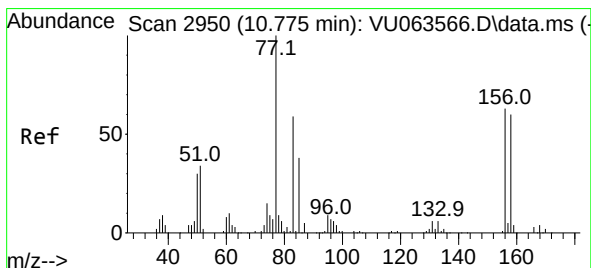
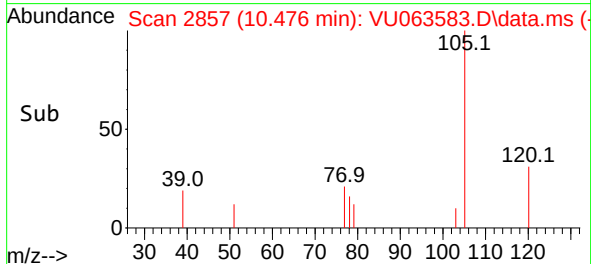
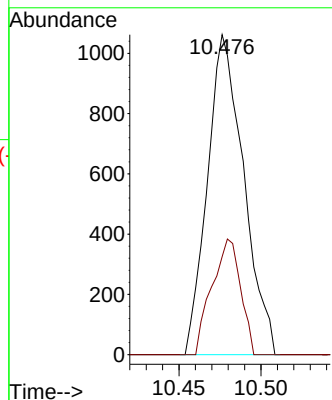
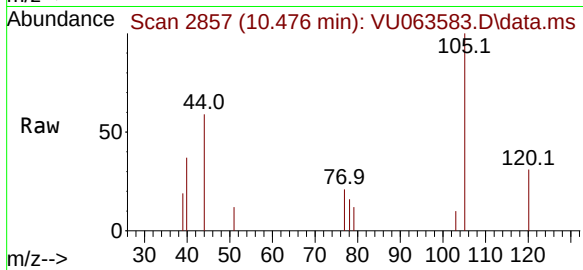




#69
Isopropylbenzene
Concen: 0.041 ug/l
RT: 10.476 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

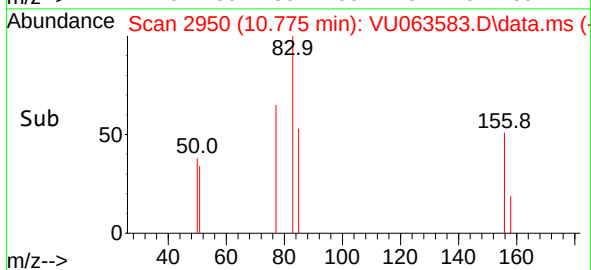
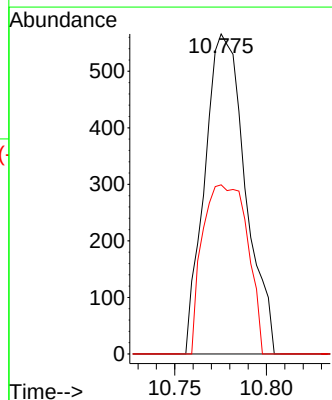
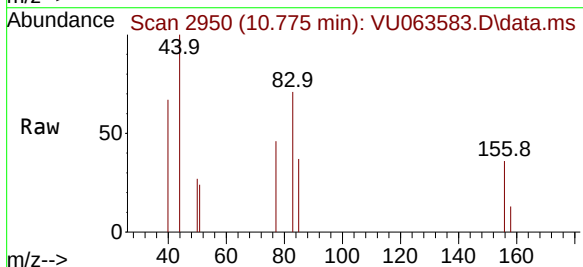
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

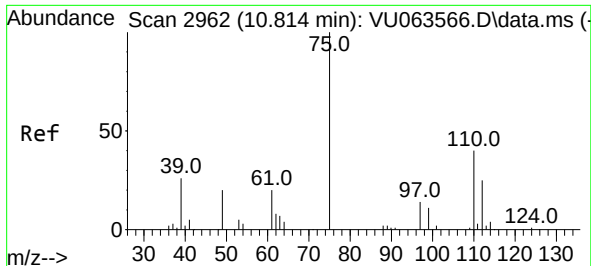
Tgt Ion:105 Resp: 1628
Ion Ratio Lower Upper
105 100
120 28.5 12.7 38.0



#70
1,1,2,2-Tetrachloroethane
Concen: 0.095 ug/l
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion: 83 Resp: 872
Ion Ratio Lower Upper
83 100
131 0.0 7.7 11.5#
85 58.1 52.2 78.4

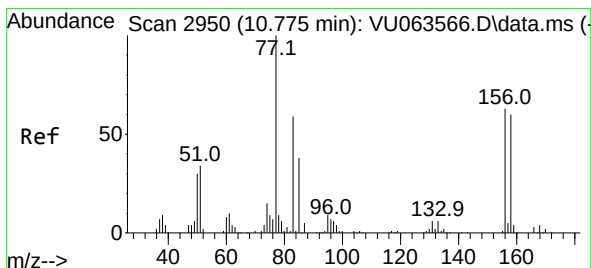
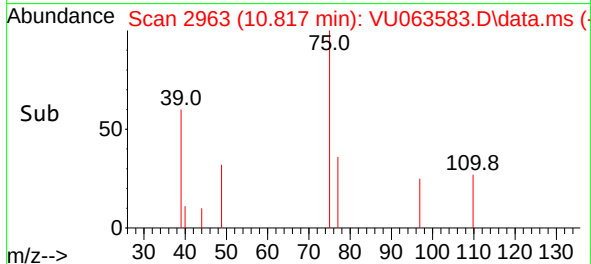
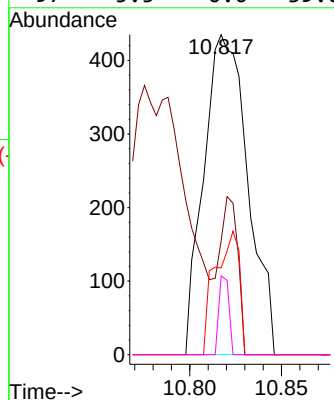
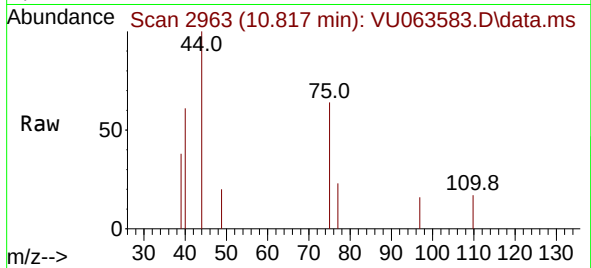




#71
1,2,3-Trichloropropane
Concen: 0.107 ug/l
RT: 10.817 min Scan# 2962
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

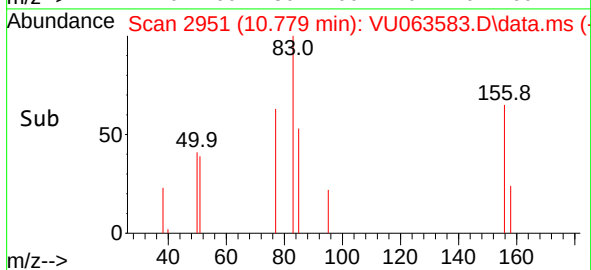
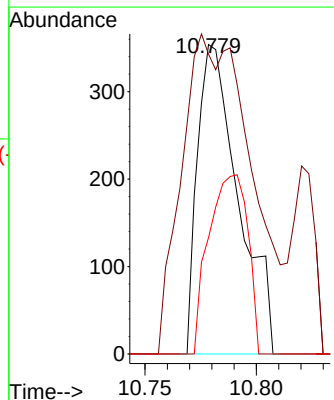
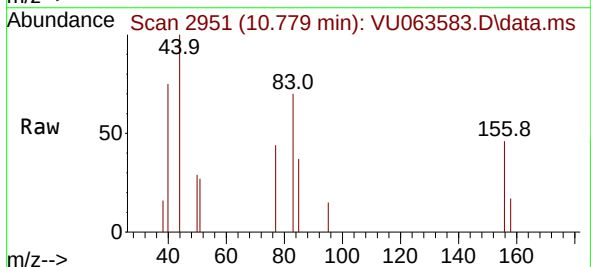
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

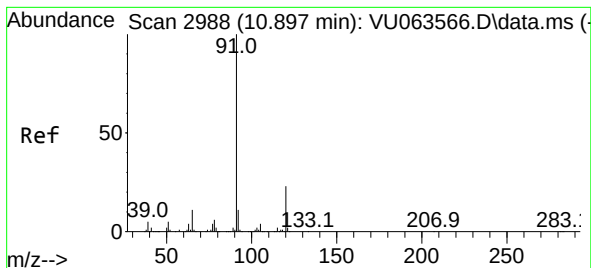
Tgt Ion:	75	Resp:	727
Ion	Ratio	Lower	Upper
75	100		
77	21.5	0.0	0.0#
110	21.3	0.0	77.6
97	5.5	0.0	39.6



#72
Bromobenzene
Concen: 0.044 ug/l
RT: 10.779 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion:	156	Resp:	452
Ion	Ratio	Lower	Upper
156	100		
77	88.3	0.0	323.0
158	55.1	0.0	195.4





#73

n-propylbenzene

Concen: 0.180 ug/l

RT: 10.907 min Scan# 2988

Delta R.T. 0.010 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

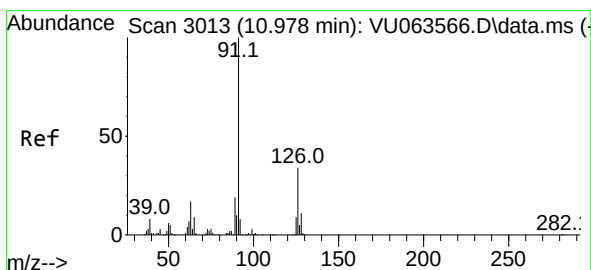
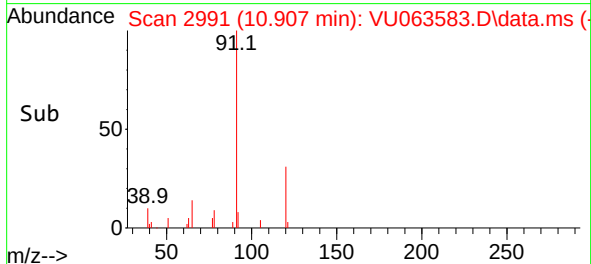
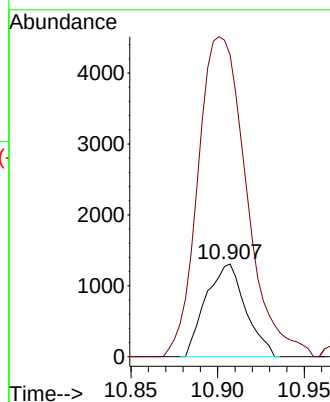
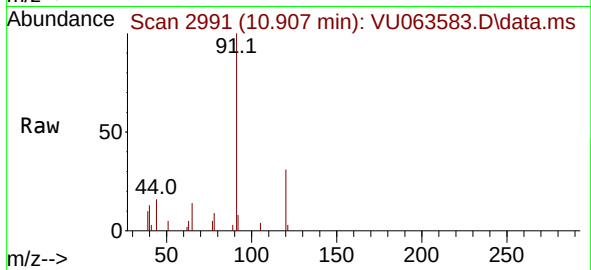
VIBLK

Tgt Ion:120 Resp: 2080

Ion Ratio Lower Upper

120 100

91 422.3 349.1 523.7



#74

2-Chlorotoluene

Concen: 0.048 ug/l

RT: 11.094 min Scan# 3049

Delta R.T. 0.116 min

Lab File: VU063583.D

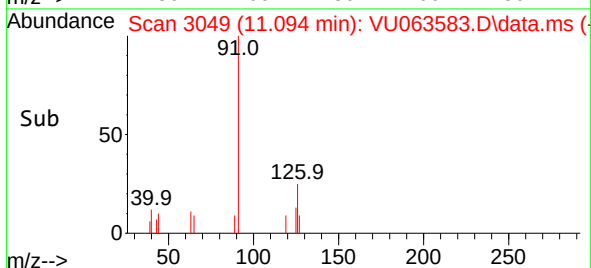
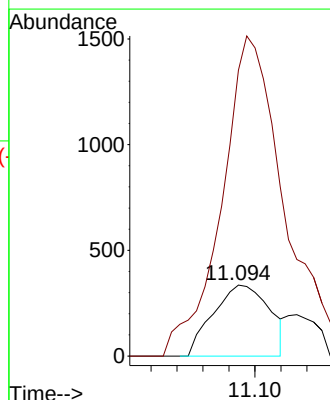
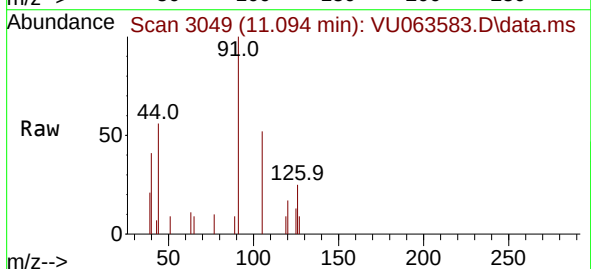
Acq: 15 Sep 2025 17:15

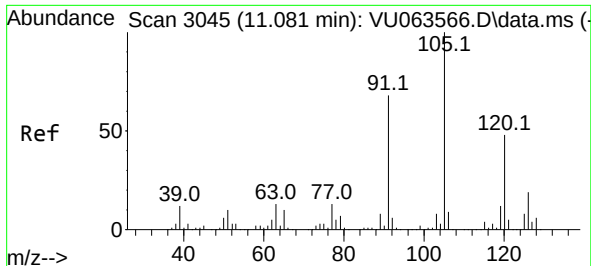
Tgt Ion:126 Resp: 505

Ion Ratio Lower Upper

126 100

91 504.8 0.0 609.4

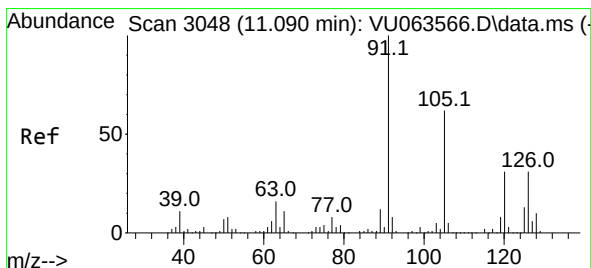
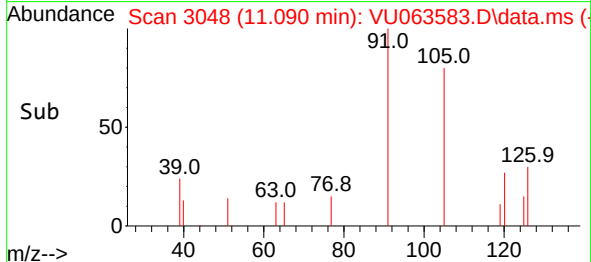
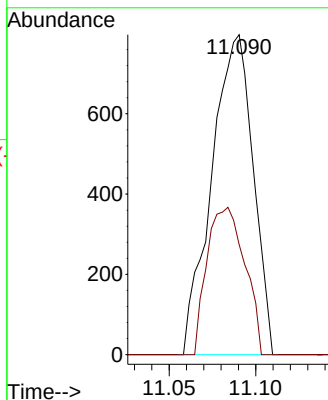
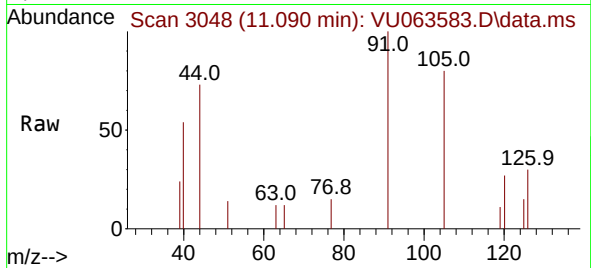




#75
1,3,5-Trimethylbenzene
Concen: 0.035 ug/l
RT: 11.090 min Scan# 3048
Delta R.T. 0.010 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

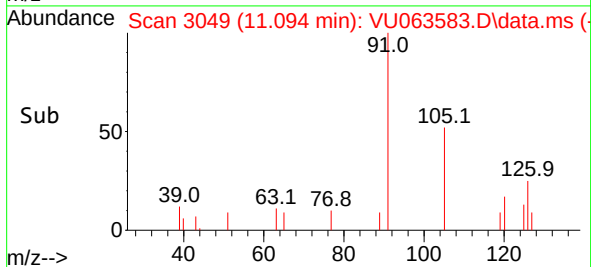
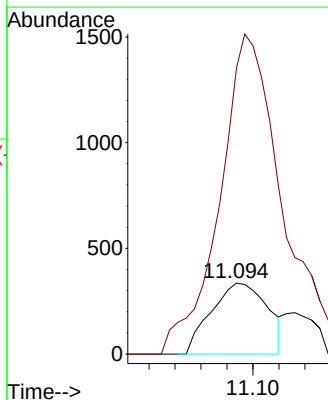
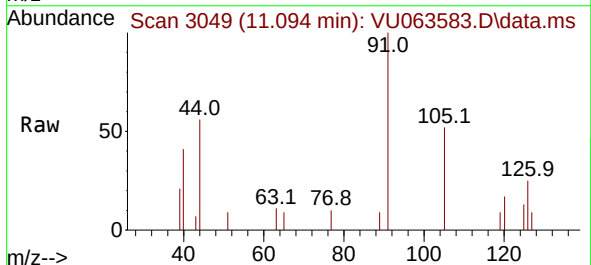
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

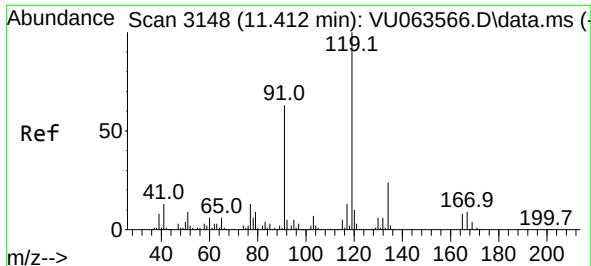
Tgt Ion:105 Resp: 1326
Ion Ratio Lower Upper
105 100
120 42.0 38.0 57.0



#76
4-Chlorotoluene
Concen: 0.046 ug/l
RT: 11.094 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion:126 Resp: 505
Ion Ratio Lower Upper
126 100
91 504.8 0.0 679.4

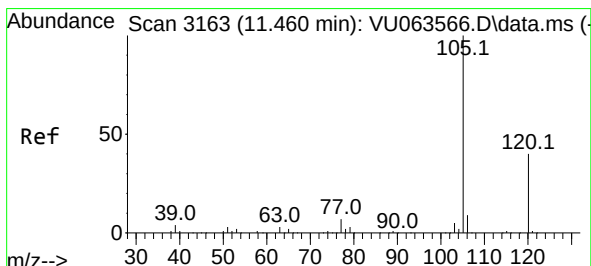
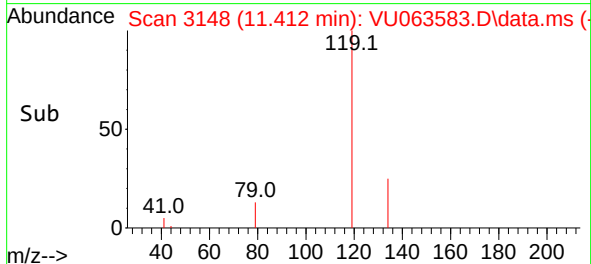
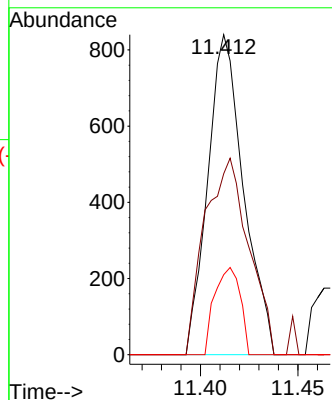
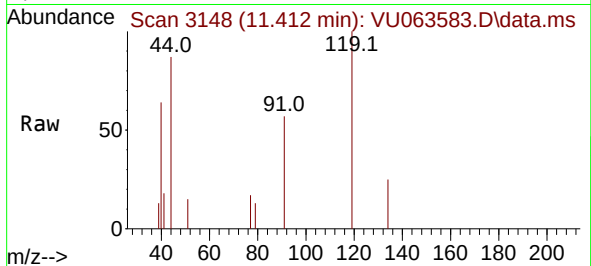




#77
tert-Butylbenzene
Concen: 0.030 ug/l
RT: 11.412 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

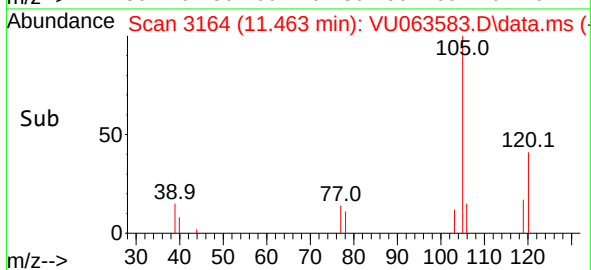
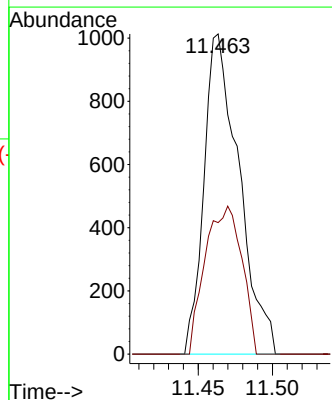
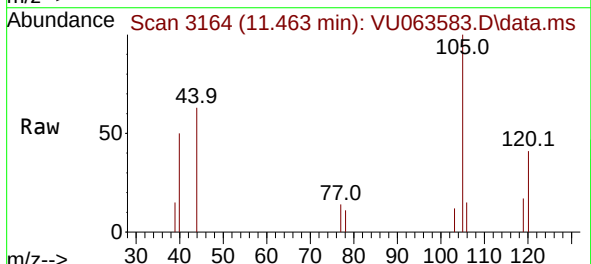
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

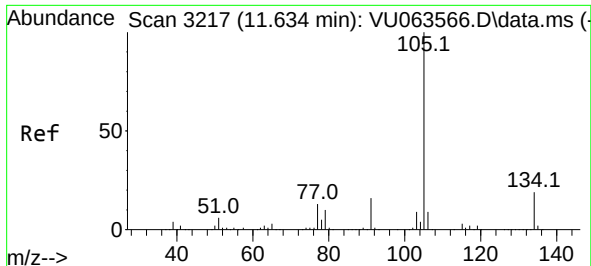
Tgt Ion:119	Resp:	1074
Ion	Ratio	Lower Upper
119	100	
91	75.1	31.0 93.0
134	19.4	19.0 28.6



#78
1,2,4-Trimethylbenzene
Concen: 0.046 ug/l
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU063583.D
Acq: 15 Sep 2025 17:15

Tgt Ion:105	Resp:	1658
Ion	Ratio	Lower Upper
105	100	
120	48.4	22.4 67.3

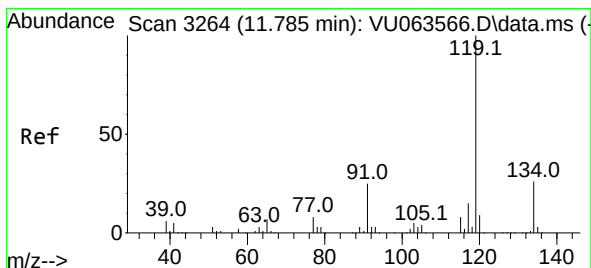
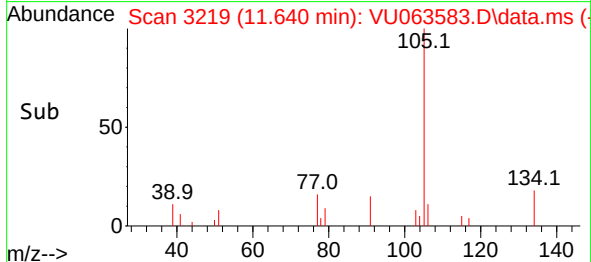
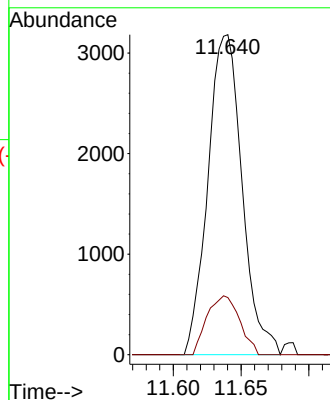
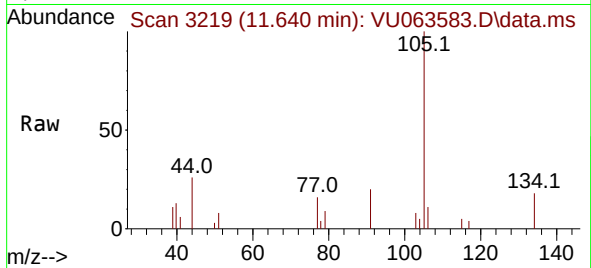




#79
 sec-Butylbenzene
 Concen: 0.114 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.007 min
 Lab File: VU063583.D
 Acq: 15 Sep 2025 17:15

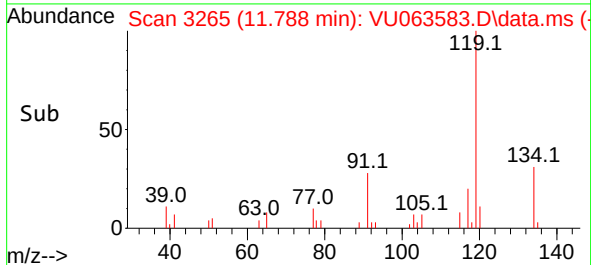
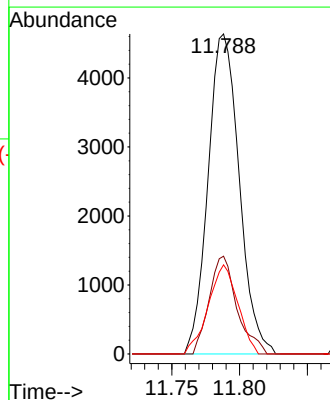
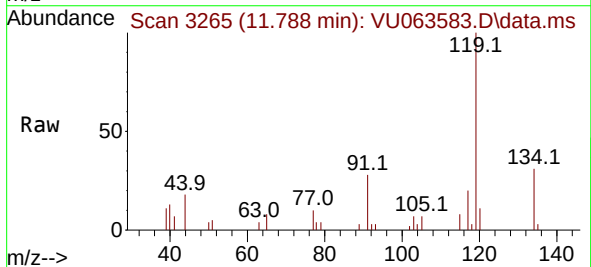
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

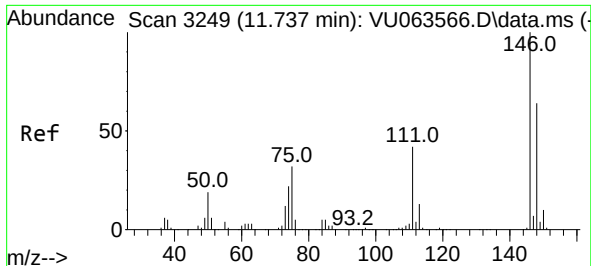
Tgt Ion:105 Resp: 5582
 Ion Ratio Lower Upper
 105 100
 134 17.5 15.6 23.4



#81
 p-Isopropyltoluene
 Concen: 0.188 ug/l
 RT: 11.788 min Scan# 3265
 Delta R.T. 0.003 min
 Lab File: VU063583.D
 Acq: 15 Sep 2025 17:15

Tgt Ion:119 Resp: 7411
 Ion Ratio Lower Upper
 119 100
 134 27.3 20.6 30.8
 91 26.3 19.8 29.6





#82

1,3-Dichlorobenzene

Concen: 0.098 ug/l

RT: 11.746 min Scan# 31

Delta R.T. 0.010 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

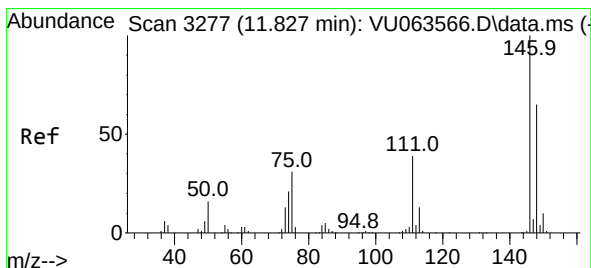
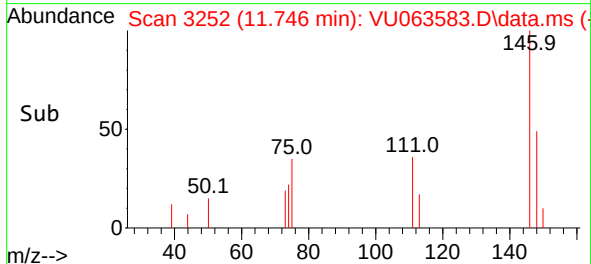
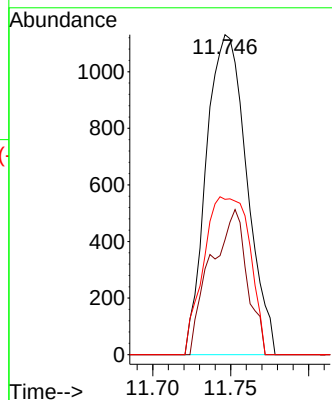
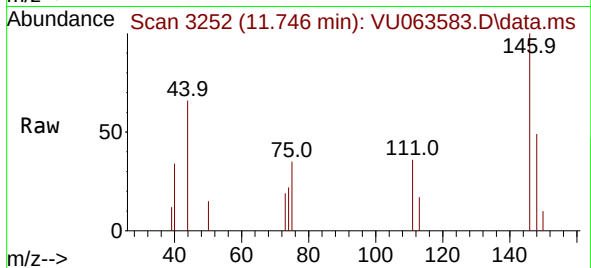
Tgt Ion:146 Resp: 2045

Ion Ratio Lower Upper

146 100

111 40.7 32.7 49.1

148 55.7 50.4 75.6



#83

1,4-Dichlorobenzene

Concen: 0.095 ug/l

RT: 11.746 min Scan# 3252

Delta R.T. -0.080 min

Lab File: VU063583.D

Acq: 15 Sep 2025 17:15

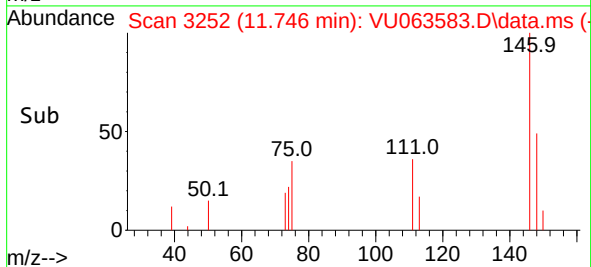
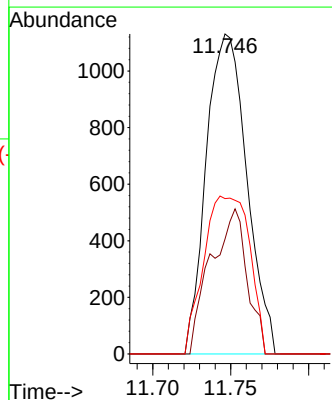
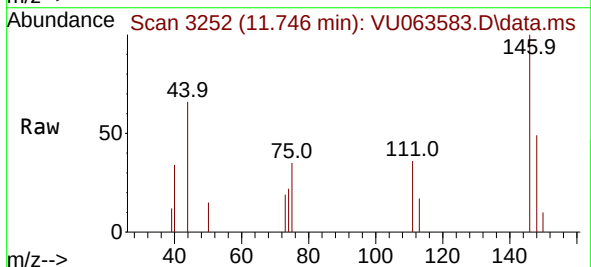
Tgt Ion:146 Resp: 2045

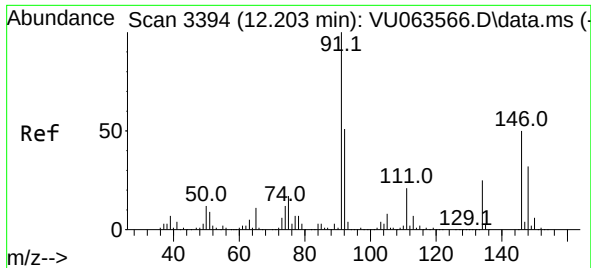
Ion Ratio Lower Upper

146 100

111 40.7 31.6 47.4

148 55.7 51.8 77.8





#85

1,2-Dichlorobenzene

Concen: 0.027 ug/l

RT: 12.200 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063583.D

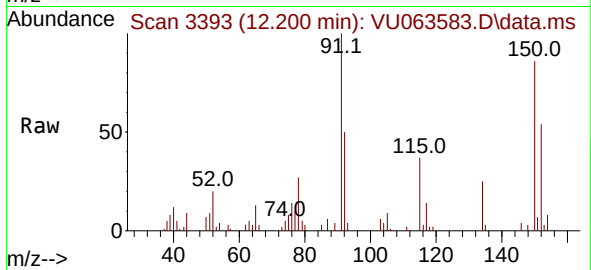
Acq: 15 Sep 2025 17:15

Instrument :

MSVOA_U

ClientSampleId :

VIBLK



Tgt Ion:146 Resp: 534

Ion Ratio Lower Upper

146 100

111 28.7 21.0 63.0

148 75.5 31.8 95.3

